

RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1969 to June 30, 1970

1969 – 1970

THE OHIO STATE UNIVERSITY

NOVICE G. FAWCETT, *President*

BOARD OF TRUSTEES

	<i>Term Beginning</i>	<i>Term Expiring</i>
JACK G. GIBBS, <sup>1</sup> Columbus	May 5, 1969	May 13, 1970
JOHN G. KETTERER, Canton	October 18, 1963	May 13, 1971
FREDERICK E. JONES, <sup>2</sup> Columbus	October 18, 1963	May 13, 1972
FREDERICK R. ECKLEY, <sup>3</sup> Cleveland	May 5, 1969	May 13, 1973
JAMES W. SHOCKNESSY, Columbus	August 2, 1965	May 13, 1974
DON M. HILLIKER, Bellefontaine	January 15, 1967	May 13, 1975
WILLIAM C. SAFFORD, Cincinnati	May 14, 1967	May 13, 1976
JOHN H. DUNLAP, Williamsport	May 14, 1968	May 13, 1977
M. MERLE HARROD, Wapakoneta	September 2, 1969	May 13, 1978

OFFICERS

JOHN G. KETTERER, *Chairman*  
FREDERICK E. JONES, *Vice Chairman*  
EDWARD Q. MOULTON, *Secretary*  
GORDON B. CARSON, *Treasurer*

<sup>1</sup> Appointed to fill unexpired term of Bertram D. Thomas ; resigned April 8, 1969.

<sup>2</sup> Resigned June 22, 1970.

<sup>3</sup> Appointed to fill unexpired term of Mervin B. France ; resigned April 4, 1969.

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 31, 1969

The Board of Trustees met at its regular monthly meeting on Thursday, July 31, 1969, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Jack G. Gibbs, Frederick R. Eckley and John W. Bricker.

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Minutes of the last meeting were approved.

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July 31, 1969 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Supplemental Action on the Budgets for the 1969-70 Fiscal Year

At the meeting of the Board of Trustees in June, a budget for the fiscal year 1969-70 was approved in the amount of \$188,063,338. To support this level of expenditure, revenues from State subsidies and increases in the present level of student tuition and fees will be required in the amount of \$58,858,100. Since the last Board meeting, the General Assembly through Senate Bill 297 has taken under consideration additional mandatory salary increases for all classified State employees. The increments currently under discussion will require additional revenue during the biennium to support such increases for the employees of this University.

While neither this act nor the appropriations act which will provide the subsidy for this current year have been enacted into law, it is essential that student fee and tuition levels for this current year be established at this time so that the registration process may begin without delaying the starting date of Autumn Quarter. Accordingly, contingent upon favorable action by the General Assembly on Amended Substitute House Bill 531 (the Education Appropriation Act) and Senate Bill 297 as presently amended (mandatory pay increase for State classified personnel), President Fawcett recommended that the following student fees and tuition be established for this University effective with the Autumn Quarter, 1969:

1. That the Instructional Fee (formerly known as the Instructional and General Fee) for The Ohio State University be increased \$25 per quarter for the main campus and \$5 per quarter for the University branches.
2. That the General Fee (formerly known as the Student Services Fee) for The Ohio State University be increased \$5 per quarter for the main campus and remain the same as it is now at the University branches.
3. That the Tuition Fee (out-of-state student surcharge) for The Ohio State University be increased \$150 per quarter for both the main campus and the University branches.
4. That the part-time students (those enrolled for six or less credit hours or enrolled for one term of a Summer Quarter) be assessed one-half of the full fees for both the main campus and the University branches.\*

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\*All fees to be assessed at next even dollar amount.

Upon motion of Mr. Eckley, seconded by Mr. Jones, the Board of Trustees approved the foregoing recommendation by unanimous roll call vote.



Schedule of Student Fees, Effective Autumn Quarter, 1969

College or School	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Administrative Science	\$170	\$30	\$200	\$350	\$550
Agriculture and Home Economics	170	30	200	350	550
Arts and Sciences					
The Arts	170	30	200	350	550
Biological Sciences	170	30	200	350	550
Humanities	170	30	200	350	550
Mathematics and Physical Sciences	170	30	200	350	550
Social and Behavioral Sciences	170	30	200	350	550
Education	170	30	200	350	550
Engineering	170	30	200	350	550
Graduate School	170	30	200	350	550
Dentistry	290	30	320	350	670
Dental Hygiene and Dental Laboratory Technology	218	30	248	350	598
Law*	205	30	235	350	585
Medicine**	310	30	340	350	690
School of Allied Medical Professions	170	30	200	350	550
School of Nursing	170	30	200	350	550
Optometry	208	30	238	350	588
Pharmacy	176	30	206	350	556
Veterinary Medicine	210	30	240	350	590
University College	170	30	200	350	550
University Branches	150	25	175	350	525

\*Includes an additional \$7.00 Law Library Fee.

\*\*Pursuant to action of the Board of Trustees on January 14, 1965, third- and fourth-year students enrolled in the Doctor of Medicine degree program of the College of Medicine are enrolled in a year-round program of courses and are assessed fees on an annual basis payable in two installments, June 15 and December 15. The annual rate for such resident students for the 1969-70 academic year shall be \$1,020.00 for resident students and \$2,070.00 for non-resident students.

Part-time students (those enrolled for six or less credit hours or enrolled for one term of a Summer Quarter), shall be assessed one-half of the full fees. When fees are not evenly divisible, they shall be assessed to the next even dollar amount.

All other fees previously approved by the Board of Trustees shall remain unchanged.

July 31, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Residence Hall Room and Board Rates

Pursuant to Section 8 of the Bond Resolution adopted April 8, 1957, by the Board of Trustees of The Ohio State University, the University and its Board of Trustees covenanted to adopt and maintain, so long as any of the bonds authorized by the Bond Resolution were outstanding such parietal rules, and charge and collect such rental rates and charges, from time to time, as may be necessary to assure such occupancy and use of, and receipts from the residence hall facilities as will pay the cost of maintenance and operation and provide for the payment of principal and interest on the bonds and other payment to special funds required by Section 9 of the Bond Resolution.

Because of the necessity to maintain salary levels for nonclassified personnel equivalent to salary levels for State employees in the classified service mandated by the 108th General Assembly, and because of the substantial increases in costs of materials, supplies, food and contract services, it is necessary to adjust the residence hall rates.

Accordingly, President Fawcett recommended that contingent upon passage of Senate Bill 297 at the currently proposed increased salary levels, effective Autumn Quarter, 1969, the schedule of rates for all residence halls included in the Bond Resolution referred to above be as follows:

For all students whose continuous residence is six quarters or less	\$335.00 per quarter
Beginning with the seventh quarter and continuing through the ninth quarter of continuous residence	\$325.00 per quarter
Beginning with the tenth quarter of continuous residence	\$316.00 per quarter
For students residing in the Stadium Scholarship Dormitory	\$155.00 per quarter
For students residing in the Jones Graduate Tower	
For single room and meals	\$384.00 per quarter
For single room only	\$195.00 per quarter
For double room and meals	\$354.00 per quarter
For double room only	\$165.00 per quarter

July 31, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Residence Hall Room and Board Rates (continued)

It was recommended further that the University administration be authorized to establish the official rates for those residence halls not included in the Bond Resolution and less than quarterly rates for residence halls in general conformity with the schedule of rates as established in the foregoing.

Upon motion of Mr. Safford, seconded by Mr. Hilliker, the Board of Trustees approved the above recommendations by unanimous roll call vote.

C. Adoption of an Official Shield for The Ohio State University Hospitals

The staff of the University Hospitals has incorporated into the "Constitution, Bylaws, Rules and Regulations of the Medical Staff of The Ohio State University Hospitals" a shield for the University Hospitals. Dr. Meiling advises that all the large teaching hospitals in this country and overseas utilize shields as emblems of tradition, prestige, culture and character of the organization. The shield of the University Hospitals will be used as a shoulder patch on the uniform coats of the staff members other than the physicians. The physicians will have on their coats, as they do now, the shield of the College of Medicine. The shield will be used also on the stationery.

President Fawcett recommended therefore that the Board of Trustees approve the proposed shield as submitted by the Dean of the College of Medicine and further that the original copy of such shield be filed with the official records of the University.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendations by unanimous voice vote.

D. Distinguished Service Awards

Serving as a Committee on Distinguished Service Awards, the President's Cabinet has nominated for consideration by the Board of Trustees the following-named persons to receive the Distinguished Service Award at the August 29, 1969 Commencement. These awards are given in recognition of distinguished service to The Ohio State University and the awards are in accordance with action taken by the Board of Trustees in 1952.

John B. Fullen  
James R. Hull  
Thomas B. Meek  
Delbert Oberteuffer  
Dorothy D. Scott

Upon motion of Mr. Jones, seconded by Mr. Gibbs, the Board of Trustees approved the above recommendation by unanimous voice vote.

July 31, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Degrees and Certificates Conferred--Summer Quarter Commencement

President Fawcett recommended that degrees and certificates be conferred at the Summer Quarter Commencement Convocation on August 29, 1969, to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix I, page 105.)

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the Board of Trustees approved the above recommendation by unanimous voice vote.

F. Proposal for Revised Curriculum Leading to the Degree of Bachelor of Science in Landscape Architecture

The Faculty Council on June 3, 1969, upon the recommendation of the Council on Academic Affairs, approved for transmittal to the Board of Trustees the recommendation that a revised curriculum leading to the degree, Bachelor of Science in Landscape Architecture, be approved, effective Autumn Quarter, 1969.

The proposal requested that the present five-year program in the School of Architecture be replaced with a four-year program leading to the degree, Bachelor of Science in Landscape Architecture.

As a result of intensive studies conducted by the Committee on Education of the American Society of Landscape Architects and by the National Conference on Instruction in Landscape Architecture, dynamic changes in the professional practice of landscape architecture are being reflected in new goals of collegiate education. The recommended pattern involves establishment of the Master of Landscape Architecture as the first professional degree. A two-year program of graduate study, preceded by a four-year program leading to the degree, Bachelor of Science in Landscape Architecture, has approximately the same relation to current professional demands as did the five-year undergraduate program only a few years ago.

President Fawcett recommended that the above proposal for revising the curriculum in the School of Architecture and the degree, Bachelor of Science in Landscape Architecture, be approved.

Upon motion of Mr. Dunlap, seconded by Mr. Bricker, the above recommendation was approved by unanimous voice vote.

G. Master of Science Degree Program in the School of Natural Resources

The Faculty Council on June 3, 1969, upon the recommendation of the Council on Academic Affairs, approved for transmittal to the Board of Trustees the recommendation that a Master of Science program in Natural Resources be offered through the School of Natural Resources, effective Autumn Quarter, 1969.

July 31, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

G. Master of Science Degree Program in the School of Natural Resources (continued)

The basic objective of the program leading to the Master of Science degree will be to provide in-depth understanding of the relevant natural, social and management sciences in their application to solving real life natural resources problems and to the methods available to achieve optimum resource management in an integrated manner.

The program will be designed primarily for the student who has substantive undergraduate preparation in a natural resources field or in a discipline which underpins specialization in a natural resources field, or who has significant employment experience in a resource management field following undergraduate education.

President Fawcett recommended that the above proposal be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendation by unanimous voice vote.

H. Establishment of the John W. Bricker Professorship in the College of Law

Pursuant to the conditions set forth for the establishment of a "Named Professorship," as approved by the Board of Trustees at its January 14, 1965 meeting, President Fawcett recommended that the "John W. Bricker Professorship" be established at The Ohio State University.

A group of friends of John W. Bricker on the occasion of Mr. Bricker's 74th birthday, proposed that a "Named Professorship" be established to honor the former United States Senator and former Governor of Ohio. Senator Bricker received his B. A. degree in 1916 and his LL. B. degree in 1920 (changed to J. D. degree by Board action on March 9, 1967) from The Ohio State University. He has been the recipient of 13 honorary degrees including the LL. D. degree from Ohio State in 1939. He has served continuously on the Board of Trustees since 1948. A committee was formed to solicit funds for the endowment account which would provide income to secure the services of an outstanding scholar for a professorship in the College of Law.

To date \$110,744.10 has been pledged for this professorship and \$82,492.43 has been received through The Ohio State University Development Fund. As soon as \$125,000.00 has been received in this endowment account, this professorship will be activated and a search will be inaugurated to secure a nationally known individual to fill this position.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the Board of Trustees approved the above recommendation by unanimous roll call vote.

Mr. Bricker stated "I am deeply grateful. I'd rather have my name attached to this than anything I can think of."

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July 31, 1969 meeting, Board of Trustees

## II. PERSONNEL CHANGES

President Fawcett recommended that the following Resignations and Promotions and Realignment of Responsibilities be approved:

### A. Resignations

President Fawcett said

Dr. John E. Corbally, Jr., Vice President for Academic Affairs and Provost, will assume duties as President and Chancellor of Syracuse University on September 1, 1969.

Dr. Corbally has had an exemplary career at Ohio State, coming as an Assistant Professor of Education in 1955 and advancing to full Professor with service as Director of the Personnel Budget, Executive Assistant to the President, Vice President for Administration and Vice President for Academic Affairs and Provost. He has served ably and well, and we wish him every success at Syracuse.

Ivan C. Rutledge will resign from the Deanship of the College of Law as soon as a successor is found. Dean Rutledge has asked to be relieved of his duties as Dean so that he can return to full-time teaching. He joined the faculty at Ohio State in 1963 and was appointed Dean in 1965.

### B. Promotions and Realignment of Responsibilities

James A. Robinson now Mershon Professor, Department of Political Science, and Director, Mershon Center for Education in National Security, be promoted to Vice President for Academic Affairs and Provost, effective September 1, 1969, at a salary of \$33,528.00 per annum. Dr. Robinson will continue as Director, Mershon Center for Education in National Security, at No Salary and will hold a Professorship in the Department of Political Science at No Salary.

The President recommended the following changes in line with an established policy to continually re-evaluate the administrative structure and to make such modifications as are required to effect efficiency in the management of the administrative concerns of the University:

Edward Q. Moulton now Executive Assistant to the President and Secretary of the Board of Trustees be promoted to Vice President for Administrative Operations and Secretary of the Board of Trustees, effective September 1, 1969, at a combined salary of \$31,248.00 per annum. Dr. Moulton will continue to hold a Professorship in the Department of Civil Engineering at No Salary.

II. PERSONNEL CHANGES (continued)

B. Promotions and Realignment of Responsibilities (continued)

Ronald W. Brady now Associate Provost and Director of University Budgets promoted to Executive Assistant to the President and Director of University Budgets, effective September 1, 1969, at a salary of \$28,488.00 per annum. Dr. Brady will hold a Professorship in the Division of Public Administration at No Salary.

Upon motion of Mr. Safford, seconded by Mr. Gibbs, the Board of Trustees by unanimous roll call vote approved the foregoing resignations; the appointment of the Vice President for Academic Affairs and Provost; the establishment of the position, Vice President for Administrative Operations, and the appointment to fill said position; and the promotion to fill the position of Executive Assistant to the President and Director of University Budgets.

C. Addition of Rules 11.09 and 11.1102 to Rules for the University Faculty

Pursuant to the foregoing recommendations for the realignment of duties of the Executive Assistant to the President and Director of University Budgets and the creation of the position of Vice President for Administrative Operations and Secretary of the Board of Trustees, President Fawcett recommended that the following additions be made to the Rules for the University Faculty:

11.09. Executive Assistant to the President and Director of University Budgets.\*

Section 1. The Executive Assistant to the President and Director of University Budgets shall be a staff officer and member of the General Administration Division of the University.

Section 2. The major area of responsibility and authority of the Executive Assistant to the President and Director of University Budgets shall be for University budgets, administrative research, data processing and management and information studies and systems. Without limiting the generality of the foregoing, the Executive Assistant to the President and Director of University Budgets shall, under the direction of the President, be responsible and have the necessary authority for: preparing for submission to the President the annual and other University budgets to be made in consultation with the Vice President for Academic Affairs and Provost, the Vice President for Administrative Operations and such other Vice Presidents as appropriate; coordinating all administrative research including the development of official institutional studies and questionnaires; operating the University data processing division, and developing and implementing University management and information studies and systems.

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\*Rule initiated by Board of Trustees.

July 31, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Addition of Rules 11.09 and 11.1102 to Rules for the University Faculty  
(continued)

11.1102. Vice President for Administrative Operations  
and Secretary of the Board of Trustees.\*

Section 1. The Vice President for Administrative Operations and Secretary of the Board of Trustees shall serve as chief operating administrator (all nonacademic functions) and as chief of staff for the President of the University.

Section 2. The major area of responsibility and authority of the Vice President for Administrative Operations and Secretary of the Board of Trustees shall be that of general administration of University operations. Without limiting the generality of the foregoing, the Vice President for Administrative Operations shall, under the direction of the President and with the approval of the Board of Trustees, be responsible and have the necessary authority for: coordinating the general administration of the University (all nonacademic functions); executing University staff functions; coordinating of and serving as Secretary to the President's Cabinet and the Administrative Council; developing and implementing campus planning, and service as Secretary of the Board of Trustees.

Section 3. The Director of Campus Planning shall be an administrative officer within the Office of the Vice President for Administrative Operations and Secretary of the Board of Trustees.

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\*Rule initiated by Board of Trustees.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees by unanimous roll call vote adopted Rule 11.09 for the realignment of duties for the position of Executive Assistant to the President and Director of University Budgets and Rule 11.1102 which establishes the position of Vice President for Administrative Operations and Secretary of the Board of Trustees. The Secretary of the Board of Trustees was further instructed and given authority to make editorial and other necessary changes in the Rules for the University Faculty, including numbering and realignment of functions consistent with the above Rules hereby adopted.

In addition to the foregoing personnel recommendations, President Fawcett recommended that all personnel changes since the June 12, 1969 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following additional faculty Appointments, Promotion, Leave of Absence With Salary, Leaves of Absence Without Salary and Emeritus Titles:



July 31, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Appointments

Louis L. Bailin, Professor, Department of Electrical Engineering, effective July 1, 1969, at a salary of \$27,288.00 per annum.

Ivan Boh, Professor, Department of Philosophy, effective October 1, 1969, at a salary of \$16,848.00 per annum.

Goodwin F. Berquist, Professor, Department of Speech, effective October 1, 1969, at a salary of \$18,528.00 per annum.

E. Promotion

Charles W. Hoffmann from Professor in the Department of German to Professor in and Chairman of the Department of German, effective October 1, 1969, at a salary of \$19,008.00 per annum.

F. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named person was recommended for Leave of Absence With Salary from the Cooperative Extension Service for the period indicated:

Melville L. Palmer, Associate Professor (Extension Agricultural Engineer), Cooperative Extension Service, effective September 16, 1969 through June 30, 1970, to participate in a program of professional improvement at the University of Wisconsin.

G. Leaves of Absence Without Salary

Dale W. Adams, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective July 1, 1969 through August 31, 1969, to work as a Staff Economist in the Office of Program and Policy Coordination, AID, State Department, Washington, D. C.

Geraldine G. Price, Associate Professor, School of Nursing, effective July 20, 1969 through September 14, 1969, for personal reasons.

Ron K. H. Adler, Assistant Professor, Department of Geodetic Science, effective July 1, 1969 through June 30, 1970, to continue work on an advanced degree in the field of geodetic science.

July 31, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

G. Leaves of Absence Without Salary (continued)

Robert A. Buerki, Instructor, College of Pharmacy, effective July 1, 1969 through September 13, 1969, to do research for his dissertation at the University of Wisconsin.

Marion LaVerne Cremer, Instructor, School of Home Economics, effective July 1, 1969 through September 30, 1969, to work on her Ph.D. degree.

Virginia Mary Evans, Instructor (Assistant State Leader, 4-H), Cooperative Extension Service, effective July 1, 1969 through July 31, 1969, to participate in a program of professional improvement at The Ohio State University.

Jack E. Hathaway, Instructor, Veterinary Clinics, effective July 1, 1969 through December 31, 1969, to accept a grant from NIH to do graduate work.

Alene P. Hinshaw, Instructor, Department of English, effective October 1, 1969 through September 30, 1970, for personal reasons.

Twyla Regula Ridder, Instructor, School of Home Economics, effective October 1, 1969 through June 30, 1970, for personal reasons.

H. Emeritus Titles

Tom B. Haber, Division of Comparative Literature, with the title Professor Emeritus, effective July 1, 1969.

Claude S. Perry, Department of Ophthalmology, with the title Professor Emeritus, effective July 1, 1969.

Drew L. Davies, Department of Surgery, with the title Instructor Emeritus, effective July 1, 1969.

Robert E. S. Young, Department of Surgery, with the title Instructor Emeritus, effective July 1, 1969.

Upon motion of Mr. Bricker, seconded by Mr. Shocknessy, the Appointments, Promotion, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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July 31, 1969 meeting, Board of Trustees

### III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

#### A. The Ohio State University and The Ohio State University Research Foundation

##### SUMMARY

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	30	\$1,162,157.00
Industrial and Other Research	3	92,825.00
<u>Grants</u>		
Government Research - Federal	46	1,477,453.00
Industrial and Other Research	6	<u>45,769.16</u>
Totals	85	\$2,778,204.16

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Research Contracts - Federal

- a. Department of Navy, Office of Naval Research, Washington, D. C., Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Mod. #19 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$8,500.00.
- b. U. S. Atomic Energy Commission, Argonne, Illinois, A Study of the Mechanism of Stress Corrosion Cracking in the Iron-Nickel-Chromium Alloy System (to be known as U. S. Atomic Energy Commission Project No. 1673-A - Mod. #7 - Department of Metallurgical Engineering).  
Gross Value - \$4,500.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Hazards of Experimental Leukemia Research (to be known as National Institutes of Health Project No. 2049 - Mod. #7 - Department of Veterinary Pathology).  
Gross Value - \$100,640.00.
- d. U. S. Atomic Energy Commission, Argonne, Illinois, High Energy Physics Studies (Experimental Portion) (to be known as U. S. Atomic Energy Commission Project No. 2116 - Mod. #5 - Department of Physics).  
Gross Value - \$10,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Ohio Medlars Center (to be known as National Institutes of Health Project No. 2487 - Mod. #2 - Department of Medicine).  
Gross Value - \$111,166.00.
- f. U. S. Army, Harry Diamond Laboratories, Washington, D. C., Nature and Distribution of RF Currents on Surface of Nose Cone (to be known as Harry Diamond Laboratories Project No. 2622 - Mod. #7 - Department of Electrical Engineering).  
Gross Value - \$12,000.00.
- g. Federal Aviation Administration, Oklahoma City, Oklahoma, Research Study on Piloting Performance in Light Aircraft (to be known as Federal Aviation Administration Project No. 2626 - Mod. #1 - Department of Preventive Medicine).  
Gross Value - \$24,999.00.
- h. Department of the Army, Defense Supply Service, Washington, D. C., Cytological Studies (to be known as Defense Supply Service Project No. 2645 - Mod. #3 - Department of Pathology).  
Gross Value - \$20,388.00.
- i. Air Force Institute of Technology, United States Air Force, Wright-Patterson Air Force Base, Ohio, AFIT Defense Weapon Systems Management Seminar (to be known as Air Force Institute of Technology Project No. 2659 - Mod. #2 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$18,000.00.
- j. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Massive Blowing Effects on Turbine Blade Cooling (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2674 - Mod. #1 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$21,563.00.
- k. Department of the Army, Aberdeen Proving Ground, Aberdeen Proving Ground, Maryland, Program of Research in the Study, Analysis and Design of Special Antenna Configurations (to be known as Department of the Army Project No. 2708 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$26,179.00.

July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

1. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Intermittent Research on Material Problems (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2731 - Mod. #1 - Research Foundation).  
Gross Value - \$16,000.00.
- m. Navy Purchasing Office, Brooklyn, New York, Method to Produce Pictures With Acoustic Energy (to be known as Navy Purchasing Office Project No. 2741 - Mod. #3 - Department of Welding Engineering).  
Gross Value - \$19,121.00.
- n. Aerospace Medical Division, Air Force Systems Command, Brooks Air Force Base, Texas, Endocrine Function in Proposed Spacecraft Atmospheres (to be known as Aerospace Medical Division, Air Force Systems Command Project No. 2761 - Mod. #1 - Department of Physiology).  
Gross Value - \$31,652.00.
- o. National Aeronautics and Space Administration, Manned Spacecraft Center, Space Sciences Procurement Branch, Houston, Texas, Effect of Photographic Image Quality on Attainable Map Accuracy (to be known as National Aeronautics and Space Administration, Manned Spacecraft Center Project No. 2795 - New - Department of Geodetic Science).  
Gross Value - \$33,800.00.
- p. Philadelphia Naval Shipyard, Purchase Division, Philadelphia, Pennsylvania, Feasibility Study to Provide an Improved Multi-function Antenna System for Use in Submarine Communications (to be known as Philadelphia Naval Shipyard Project No. 2806 - New - Department of Electrical Engineering).  
Gross Value - \$7,500.00.
- q. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Laser Propagation Investigation (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2819 - New - Department of Electrical Engineering).  
Gross Value - \$12,000.00.
- r. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Laser Propagation Investigation (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2819 - C. O. #1 - Department of Electrical Engineering).  
Gross Value - \$35,000.00.

July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- s. U. S. Department of Labor, Manpower Administration, Washington, D. C., National Longitudinal Studies of the Labor Force Behavior of National Samples of Men (45-59), Women (30-44) and Male and Female Youth (14-24) (to be known as U. S. Department of Labor, Manpower Administration Project No. 2820 - New - Department of Economics).  
Gross Value - \$208,354.00.
- t. Procurement Division, Building 4603, Aberdeen Proving Ground, Maryland, Analysis and Monitoring of a Fast Reactor Core Coupled With Experimental Apparatus (to be known as Procurement Division, Aberdeen Proving Ground Project No. 2823 - Mod. #1 - Department of Mechanical Engineering).  
Gross Value - \$205.00.
- u. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Research on the Pharmacology of TVOPA (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2828 - New - Department of Preventive Medicine).  
Gross Value - \$40,000.00.
- v. National Aeronautics and Space Administration, Electronics Research Center, Cambridge, Massachusetts, Microwave Radiation from Natural Surfaces (to be known as National Aeronautics and Space Administration, Electronics Research Center Project No. 2832 - New - Department of Electrical Engineering).  
Gross Value - \$25,000.00.
- w. U. S. Army, San Francisco Procurement Agency, Oakland, California, Infrared Line Shape Study Using a Tunable Laser (to be known as San Francisco Procurement Agency Project No. 2834 - New - Department of Electrical Engineering).  
Gross Value - \$25,232.00.
- x. Naval Air Development Center, Johnsville, Warminster, Pennsylvania, Low-Profile Scanned-Beam IFF Antenna System Development Study (to be known as Naval Air Development Center Project No. 2836 - New - Department of Electrical Engineering).  
Gross Value - \$74,775.00.
- y. U. S. Atomic Energy Commission, Argonne, Illinois, Plastic-Strain Controlled Failure Criteria and Design Parameters (to be known as U. S. Atomic Energy Commission Project No. 2840 - New - Department of Metallurgical Engineering).  
Gross Value - \$75,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- z. National Aeronautics and Space Administration, Manned Spacecraft Center, Space Sciences Procurement Branch, Houston, Texas, Investigations Related to Selenodetic Control (to be known as National Aeronautics and Space Administration, Manned Spacecraft Center Project No. 2841 - New - Department of Geodetic Science).  
Gross Value - \$99,600.00.
- aa. Naval Electronics Laboratory Center, San Diego, California, Adaptive Arrays for Anti-Jam Protection (to be known as Naval Electronics Laboratory Center Project No. 2844 - New - Department of Electrical Engineering).  
Gross Value - \$2,500.00.
- bb. U. S. Department of Transportation, Federal Highway Administration, Contract and Procurement Division, Washington, D. C., Analysis of Fatigue and Fracture of Bituminous Paving Mixtures (to be known as Federal Highway Administration, Contract and Procurement Division Project No. 2845 - New - Department of Civil Engineering).  
Gross Value - \$6,769.00.
- cc. Department of Transportation, Federal Highway Administration, Washington, D. C., Medical-Engineering Highway Crash Investigation Team (to be known as Federal Highway Administration Project No. 2852 - New - Department of Physiology).  
Gross Value - \$42,000.00.
- dd. Office of Civil Defense, Office of the Secretary of the Army, Department of the Army, Washington, D. C., The Application of Communication Theory and Research to Civilian Defense Priority for Programming (to be known as Office of Civil Defense Project No. 2856 - New - Department of Speech).  
Gross Value - \$49,714.00.

TOTAL - Government Research Contracts - Federal \$1,162,157.00

2. Industrial and Other Research Contracts

- a. Industrial Sponsor, Study of Dental Caries (to be known as Industrial Project No. 2065 - Letter Dated 6/25/69 - College of Dentistry).  
Gross Value - \$38,833.00.
- b. Industrial Sponsor, Study of Dental Calculus (to be known as Industrial Project No. 2070 - Letter Dated 6/25/69 - College of Dentistry).  
Gross Value - \$25,120.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Research Contracts (continued)

- c. Columbus Public Library, Columbus, Ohio, Development of a Plan for Franklin County Public Library (to be known as Columbus Public Library Project No. 2826 - New - Center for Business and Economic Research).  
Gross Value - \$28,872.00.

TOTAL - Industrial and Other Research Contracts \$92,825.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, Office of Community Health Planning, Chicago, Illinois, Cytotechnology Training Program (to be known as Office of Community Health Planning Project No. 1154-I - Ext. #9 - Department of Pathology).  
Gross Value - \$23,000.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Chemical Studies of Stimulated Retina (to be known as National Institutes of Health Project No. 1575-F - Ext. #6 - College of Biological Sciences - Biophysics).  
Gross Value - \$44,815.00.
- c. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institute of Mental Health, Bethesda, Maryland, Psychotropic Drugs and Phenotypical Behaviors (to be known as National Institute of Mental Health Project No. 1653-E - Ext. #5 - College of Pharmacy).  
Gross Value - \$16,933.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Blood PO<sub>2</sub>-Artery QO<sub>2</sub> Relationship and Atherosclerosis (to be known as National Institutes of Health Project No. 1800-E - Sup. #1 - Department of Physiology).  
Gross Value - \$858.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Hemotropic Parasite Infections, Immunology (to be known as National Institutes of Health Project No. 1873-E - Ext. #5 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$23,976.00.



III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- f. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, Bethesda, Maryland, Hydrophilic Colloid Interactions in Milk Systems (to be known as Health Services and Mental Health Administration Project No. 2037-D - Ext. #4 - Department of Dairy Technology).  
Gross Value - \$22, 773. 00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Biology of the Heart (to be known as National Institutes of Health Project No. 2058-D - Ext. #4 - Departments of Medicine and Veterinary Physiology).  
Gross Value - \$184, 074. 00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Human Temporal Bone Pathology (to be known as National Institutes of Health Project No. 2060-D - Ext. #4 - Department of Otolaryngology).  
Gross Value - \$20, 392. 00.
- i. National Science Foundation, Washington, D. C., Optically Active Complex Inorganic Compounds (to be known as National Science Foundation Project No. 2120 - Amend. #3 - Department of Chemistry).  
Gross Value - \$50, 800. 00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Coordination of Phosphine Sulfides and Selenides (to be known as National Institutes of Health Project No. 2171-B - Sup. #2 - Department of Chemistry).  
Gross Value - \$5, 400. 00.
- k. Department of Health, Education and Welfare, Public Health Service, Office of Comprehensive Health Planning, Chicago, Illinois, Methods of Diagnosis and Control of Cancer of the Cervix in the Medically Indigent Population of Columbus (to be known as Office of Comprehensive Health Planning Project No. 2224-C - Ext. #3 - Department of Pathology).  
Gross Value - \$52, 534. 00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Lipid Metabolism in the Human Placenta (to be known as National Institutes of Health Project No. 2254-C - Ext. #3 - Department of Pediatrics).  
Gross Value - \$19, 120. 00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Quantitation of Blood Cell Flow in Single Capillaries (to be known as National Institutes of Health Project No. 2305-B - Sup. #1 - Department of Physical Medicine).  
Gross Value - \$760.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Coronary Circulation and Myocardial Function (to be known as National Institutes of Health Project No. 2375-B - Sup. #1 - Department of Surgery).  
Gross Value - \$1,057.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Experimental Model of Phenylketonuria-Like Conditions (to be known as National Institutes of Health Project No. 2385-B - Sup. #1 - Department of Pathology).  
Gross Value - \$1,068.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Control of Thyroid Intermediary Metabolism (to be known as National Institutes of Health Project No. 2445-B - Ext. #2 - College of Biological Sciences - Biochemistry).  
Gross Value - \$18,822.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Structural Investigations on Mucopolysaccharides (to be known as National Institutes of Health Project No. 2516-A - Sup. #1 - Department of Chemistry).  
Gross Value - \$1,290.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Pathogenesis of Coronary Atherosclerosis (to be known as National Institutes of Health Project No. 2525-A - Sup. #1 - Department of Pathology).  
Gross Value - \$8,443.00.

July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Induction of Tolerance in the Adult Mouse and Dog (to be known as National Institutes of Health Project No. 2662-A - Ext. #1 - Department of Surgery).  
Gross Value - \$27,725.00.
- t. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Psychophysiology and Psychosomatic Medicine in the USSR (to be known as National Institutes of Health Project No. 2670-A - Ext. #1 - Department of Psychiatry).  
Gross Value - \$27,373.00.
- u. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institute of Mental Health, Bethesda, Maryland, Organizational Responses to Major Community Crises (to be known as National Institute of Mental Health Project No. 2673-A - Ext. #1 - Department of Sociology).  
Gross Value - \$87,248.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, The Role of Bile in Hepatic Regeneration (to be known as National Institutes of Health Project No. 2675-A - Ext. #1 - Department of Surgery).  
Gross Value - \$13,529.00.
- w. Department of the Air Force, Air Force Office of Scientific Research, Arlington, Virginia, Human Information Processing (to be known as Air Force Office of Scientific Research Project No. 2718-A - Amend. A - Department of Psychology).  
Gross Value - \$49,985.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Ephedrine Tachyphylaxis (to be known as National Institutes of Health Project No. 2753 - Sup. #1 - College of Pharmacy).  
Gross Value - \$496.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Hypocholesterolemic Agents - Stereochemical Studies (to be known as National Institutes of Health Project No. 2769 - Sup. #1 - College of Pharmacy).  
Gross Value - \$1,356.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- z. National Aeronautics and Space Administration, Washington, D. C., Flutter of Thermally Stressed Plates Subjected to Large Deflections (to be known as National Aeronautics and Space Administration Project No. 2792 - Sup. #1 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$20,000.00.
- aa. U. S. Office of Education, Washington, D. C., Response Class in Learning and Memory (to be known as U. S. Office of Education Project No. 2804 - Rev. #1 - Department of Psychology).  
Gross Value - \$17,000.00.
- bb. National Science Foundation, Washington, D. C., Chemistry of Bent Bonds (to be known as National Science Foundation Project No. 2825 - New - Department of Chemistry).  
Gross Value - \$46,900.00.
- cc. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, A Comparative Study of Drug Metabolism (to be known as National Institutes of Health Project No. 2827 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$38,366.00.
- dd. National Aeronautics and Space Administration, Washington, D. C., Methods of Solution of the Integral Equation for the Foucault Test (to be known as National Aeronautics and Space Administration Project No. 2829 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$5,244.00.
- ee. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Systolic Intervals in Acute Myocardial Infarction (to be known as National Institutes of Health Project No. 2830 - New - Department of Medicine).  
Gross Value - \$24,428.00.
- ff. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Proximal Tubular Transport in Edematous States (to be known as National Institutes of Health Project No. 2831 - New - Department of Medicine).  
Gross Value - \$37,531.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- gg. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Advisory Council of Education for Health Professions, Bethesda, Maryland, Computer-Assisted-Independent Study (to be known as National Institutes of Health Project No. 2835 - New - Department of Medicine).  
Gross Value - \$336,562.00.
- hh. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Catechol-o-Methyl-transferase and Adrenergic Drugs (to be known as National Institutes of Health Project No. 2837 - New - College of Pharmacy).  
Gross Value - \$11,261.00.
- ii. National Science Foundation, Washington, D. C., A Laser Raman Spectrometer (to be known as National Science Foundation Project No. 2838 - New - Department of Chemistry).  
Gross Value - \$23,200.00.
- jj. National Science Foundation, Washington, D. C., Number Theory, Group Theory, Geometry of Numbers and Discrete Geometry (to be known as National Science Foundation Project No. 2839 - New - Department of Mathematics).  
Gross Value - \$61,700.00.
- kk. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Interactions of Tetracyclines Using Optical Probes (to be known as National Institutes of Health Project No. 2843 - New - College of Pharmacy).  
Gross Value - \$15,634.00.
- ll. National Science Foundation, Washington, D. C., Class Numbers in Fields of Algebraic Functions (to be known as National Science Foundation Project No. 2848 - New - Department of Mathematics).  
Gross Value - \$11,300.00.
- mm. National Science Foundation, Washington, D. C., Problems Related to the Divisor Problem (to be known as National Science Foundation Project No. 2849 - New - Department of Mathematics).  
Gross Value - \$10,900.00.
- nn. National Science Foundation, Washington, D. C., Freudenthal Triple System (to be known as National Science Foundation Project No. 2850 - New - Department of Mathematics).  
Gross Value - \$10,800.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- oo. National Science Foundation, Washington, D. C., Demographic Projections of Student Enrollments (to be known as National Science Foundation Project No. 2851 - New - Department of Sociology).  
Gross Value - \$4,400.00.
- pp. U. S. Army Research Office - Durham, Durham, North Carolina, Techniques of Parametric Interactions to Millimeter and Sub-millimeter Waves (to be known as U. S. Army Research Office - Durham Project No. 2858 - New - Department of Electrical Engineering).  
Gross Value - \$6,500.00.
- qq. National Science Foundation, Washington, D. C., Geochemistry of Weathering and the Saline Cycle in Southern Victoria Land, Antarctica (to be known as National Science Foundation Project No. 2860 - New - Institute of Polar Studies).  
Gross Value - \$34,400.00.
- rr. National Science Foundation, Washington, D. C., Conformational Analysis (to be known as National Science Foundation Project No. 2861 - New - Department of Chemistry).  
Gross Value - \$31,700.00.
- ss. National Science Foundation, Washington, D. C., Ergodic Theory and Probability (to be known as National Science Foundation Project No. 2862 - New - Department of Mathematics).  
Gross Value - \$15,000.00.
- tt. National Science Foundation, Washington, D. C., Mayer-Vietoris Functors and Bicartesian Squares (to be known as National Science Foundation Project No. 2863 - New - Department of Mathematics).  
Gross Value - \$10,800.00.

TOTAL - Government Research Grants - Federal \$1,477,453.00

4. Industrial and Other Research Grants

- a. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Cks. Nos. C632360, C632359, C626354, C626353 - Department of Surgery).  
Gross Value - \$1,927.16.

July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- b. Modern Language Association of America, Center for Editions of American Authors, New York, New York, Hawthorne Edition (to be known as Modern Language Association of America, Center for Editions of American Authors Project No. 2338 - Amend. #5 - Department of English).  
Gross Value - \$590.00.
- c. Modern Language Association of America, Center for Editions of American Authors, New York, New York, Hawthorne Edition (to be known as Modern Language Association of America, Center for Editions of American Authors Project No. 2338-B - Sponsor Letter Dated 6/4/69 - Department of English).  
Gross Value - \$1,010.00.
- d. National Multiple Sclerosis Society, 257 Park Avenue, New York, New York, Myelin Plasmalogens and Multiple Sclerosis (to be known as National Multiple Sclerosis Society Project No. 2842 - New - Department of Physiological Chemistry).  
Gross Value - \$19,142.00.
- e. American Heart Association, Inc., New York, New York, Myocardial Retroperfusion During Coronary Occlusion (to be known as American Heart Association, Inc., Project No. 2846 - New - Department of Surgery).  
Gross Value - \$9,900.00.
- f. American Heart Association, Inc., New York, New York, Permeability of Heart Mitochondria (to be known as American Heart Association, Inc., Project No. 2847 - New - Department of Physiological Chemistry).  
Gross Value - \$13,200.00.

TOTAL - Industrial and Other Research Grants \$45,769.16

Upon motion of Mr. Eckley, seconded by Mr. Bricker, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contracts	5	\$208,190.00
Industrial Research Contract	<u>1</u>	<u>4,000.00</u>
Totals	6	\$212,190.00

During the period from May 21, 1969 through June 18, 1969, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contracts

- SC 82 Highway and Transportation Program, Course No. 304, Council of State Governments, Chicago, Illinois 60637.  
Gross Value - \$3,750.00.
- W 127 The Ecology Impact of the Interactions Among Micro-organisms and Aquatic Contaminants in Lake Erie, Office of Water Resources Research, Washington, D. C. 20240.  
Gross Value - \$47,700.00.
- W 128 Hydrologic Investigation of Small Watersheds in Ohio, Office of Water Resources Research, Washington, D. C. 20240.  
Gross Value - \$46,000.00.
- W 129 Community Reactions to Collective Stress: Its Implications for Water Resources Planning - Phase II, Office of Water Resources Research, Washington, D. C. 20240.  
Gross Value - \$13,650.00.
- W 130 A Systems Analysis of the Western Basin of Lake Erie, Phase II, Office of Water Resources Research, Washington, D. C. 20240.  
Gross Value - \$97,090.00.
- TOTAL - Government Research Contracts \$208,190.00



July 31, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

2. Industrial Research Contract

327X      Design Study of Blowdown Rings, Aquatrol, Inc., Chicago,  
             Illinois 60622.  
             Gross Value - \$4,000.00.

C. Authorization to Execute an Agreement Between The Ohio State University  
and the Technical Institute District in Ashland-Crawford-Richland Counties

A need for technical education programs in the Mansfield and Lima areas where The Ohio State University has branch campuses was recognized and authorization to execute agreements providing for the development of such programs in cooperation with appropriate technical institutes and technical institute districts was approved by the Board of Trustees on June 13, 1968.

The authorization for state universities to establish such technical education programs in cooperation with technical institutes appropriately organized under the laws of Ohio is in accordance with action taken by the 107th General Assembly [Section 3357.09 (L), Revised Code of Ohio].

The Board of Trustees of the Technical Institute District in Ashland-Crawford-Richland Counties has approved an agreement between The Ohio State University and said technical institute district to provide for technical education programs on the Mansfield Campus of the University to begin with the Autumn Quarter 1970 or as soon thereafter as possible.

It was recommended therefore that the President, or in his absence the Secretary of the Board of Trustees of the University, be authorized to execute said agreement between the University and the Technical Institute District in Ashland-Crawford-Richland Counties.

The above said agreement has been reviewed by the Office of the Ohio Board of Regents and the Office of the Attorney General of Ohio.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous roll call vote.

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July 31, 1969 meeting, Board of Trustees

#### IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since June 12, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

##### SUMMARY

Administered Through the Office of Business and Finance	\$1,548,725.00
Received Through The Ohio State University Development Fund	901,618.44

#### A. Administered Through the Office of Business and Finance

1. \$223,298.00 granted by Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, Bethesda, Maryland, to the University for "Ohio State Regional Medical Program - Operational Grant," under the direction of the College of Medicine, for the period May 1, 1969 through June 30, 1970. (Grant No. 1 G03 RM 00022-01)
2. \$115,223.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Surgery - Training Grant," under the direction of the Department of Surgery, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 GM01539-04)
3. \$109,620.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Psychiatry Basic Residency - Training Grant," under the direction of the Department of Psychiatry, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 T01 MH08458-06)
4. \$95,380.00 granted by Department of Health, Education and Welfare, Social and Rehabilitation Service, Children's Bureau, Washington, D. C. 20201, to the University for a "Child Welfare Training Grant," under the direction of the School of Social Work, for the period July 1969 through June 1970. (Project No. CWT-69-45)
5. \$84,925.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Allied Health Professions Advanced Traineeship Grant," under the direction of the School of Allied Medical Professions, for the period July 1, 1969 through June 30, 1970. [Grant No. ART-70-010 (C)]
6. \$73,010.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "School of Extracorporeal Circulation Specialists - Training Grant," under the direction of the Department of Surgery, for the period July 1, 1969 through June 30, 1970. (Grant No. AHP 7-4C-69)

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$63,660.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Mental Retardation Training Program - Core Group," under the direction of the College of Medicine - Mental Retardation Facility, for the period August 1, 1969 through July 31, 1970. (Grant No. 57978-03-69)
8. \$63,620.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Neurological Surgery - Training Grant," under the direction of the Department of Surgery, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 T01 NB05529-04)
9. \$59,400.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Psychiatry - GP Residency Training," under the direction of the Department of Psychiatry, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 T01 MH08386-06)
10. \$55,372.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Occupational Health - Training Grant," under the direction of the Department of Preventive Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 UI 01038-07)
11. \$53,292.00 granted by United States Department of the Interior, Federal Water Pollution Control Administration, Washington, D. C. 20242, to the University for "Multidisciplinary Training in Water Pollution Control - Training Grant," under the direction of the School of Natural Resources, for the period July 1, 1969 through June 30, 1970. (Grant No. (1T1-WP-219-01))
12. \$51,423.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Preventive Medicine Curriculum Augmentation - Training Grant," under the direction of the Department of Preventive Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. PHT 5-25D-69)
13. \$48,180.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Training Grant in Endocrinology and Metabolism," under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 T01 AM05118-13)
14. \$46,080.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Graduate Training Program in the Sociology of Education and Community," under the direction of the Department of Sociology, for the period October 1, 1969 through June 1, 1970. (Grant No. OEG-5-9-450154-0074)

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

15. \$43,791.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Accident Prevention (Transportation Safety)," under the direction of the Department of Industrial Engineering, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 UI 01002-04)
16. \$42,940.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Microbiology and Infectious Disease Training," under the direction of the Department of Medical Microbiology, for the period July 1, 1969 through June 30, 1971. (Grant No. 5 T01 AI00359-02)
17. \$32,177.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Physiological Psychology - Training Grant," under the direction of the Department of Psychology, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 MH06748-12)
18. \$30,069.00 granted by Department of Health, Education and Welfare Public Health Service, Bethesda, Maryland, to the University for "A Comprehensive Study of Cardiovascular Sound," for a Development Award - Research Career Program under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 K03 HE28243-05)
19. \$28,726.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Neurology - Training Grant," under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 NB05585-03)
20. \$27,791.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "The Biosynthesis of Neurohypophyseal Hormones," for a Development Award - Research Career Program under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 K03 AM11519-02)
21. \$22,800.00 additional grant by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Fellowship Program in Reading," under the direction of the College of Education. This project extends through October 31, 1970. (Grant No. OEG-0-9-450667-2279-721)
22. \$20,952.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Multidepartmental - Training Grant," under the direction of the Department of Veterinary Physiology and Pharmacology, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 HE05659-05)

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

23. \$17,843.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Quantitative Methods in Librarianship," under the direction of the University Libraries, for the period January 30, 1969 through September 30, 1969. (Grant No. OEG-0-9-450004-0430)
24. \$17,600.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Prospective Teacher Fellowship Program," under the direction of the Division of Art, for the period June 13, 1969 through August 31, 1970. (Grant No. OEG-0-9-059258-3969)
25. \$17,260.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Clinical Chemistry - Training Grant," under the direction of the Department of Pathology, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 GM01805-02)
26. \$12,960.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Development of Graduate Curriculum in Health Planning," under the direction of the Department of Preventive Medicine, for the period July 1, 1968 through June 30, 1970. (Grant No. 55503-01-68-S-69C)
27. \$12,180.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Otolaryngology and Audiology - Training Grant," under the direction of the Department of Otolaryngology, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 NB05397-07)
28. \$9,982.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Psychiatric Social Work - Training Grant," under the direction of the School of Social Work, for the period July 1, 1969 through June 30, 1970. (Grant No. 1 T01 MH11981-01)
29. \$8,290.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Public Health Traineeship Program," under the direction of the School of Nursing, for the period July 1, 1969 through June 30, 1970. (Grant No. N-537-70-E)
30. \$7,644.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Graduate Fellowship Program," under the direction of the Department of Slavic Languages and Literatures, for the period July 1, 1969 through February 28, 1971. (Grant No. OEG-9-450226-068)

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

31. \$7,198.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "College Library Resources Program," under the direction of the Lima Campus, for the period June 17, 1969 through June 30, 1970. (Grant No. OEG-0-9-450046-9153)
32. \$6,865.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "College Library Resources Program," under the direction of the Mansfield Campus, for the period June 17, 1969 through June 30, 1970. (Grant No. OEG-0-9-450047-9147)
33. \$6,238.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "College Library Resources Program," under the direction of the Newark Campus, for the period June 17, 1969 through June 30, 1970. (Grant No. OEG-0-9-450049-9156)
34. \$6,130.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "College Library Resources Program," under the direction of the Marion Campus, for the period June 17, 1969 through June 30, 1970. (Grant No. OEG-0-9-450048-9154)
35. \$5,704.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Experimental Psychology," under the direction of the Department of Psychology, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 T01 MH08526-06)
36. \$5,700.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for the purchase of Instructional Scientific Equipment, under the direction of the Department of Agricultural Engineering, for the period July 1, 1969 through July 31, 1971. (GY-6563)
37. \$5,054.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Ophthalmology - Training Grant," under the direction of the Department of Ophthalmology, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 NB05461-05)
38. \$3,984.00 additional grant by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Planning Grant in Physical Education," under the direction of the School of Physical Education, for the period June 1, 1969 through August 31, 1970. (Grant No. OEG-0-9-451713-3393)

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

39. \$3,864.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for a "Special Purpose Training Grant - Public Health Traineeship Program," under the direction of the School of Allied Medical Professions, for the period July 1, 1969 through June 30, 1970. (Grant No. SP-22A-69)
40. \$2,500.00 granted by National Science Foundation, Washington, D. C. 20550 to the University for the purchase of Instructional Scientific Equipment, under the direction of the College of Biological Sciences - Population and Environmental Biology, for the period July 1, 1969 through July 31, 1971. (GY-6626)

TOTAL - Administered Through the Office of Business and Finance -  
\$1,548,725.00

B. Received Through The Ohio State University Development Fund

1. \$260,785.82 (securities valued at \$143,485.82 and a check for \$117,300.00) through a bequest from the late Clifford C. Baltzly, formerly of Philadelphia, Pennsylvania, for the establishment of the Clifford C. Baltzly Scholarship Fund.

Clifford C. Baltzly Scholarship Fund

The Clifford C. Baltzly Scholarship Fund was established July 31, 1969, by the Board of Trustees of The Ohio State University with a bequest to the University through the Development Fund from the late Clifford C. Baltzly, Engr. W'07, formerly of Philadelphia, Pennsylvania.

All gifts are to be invested under the rules and regulations adopted by the Board of Trustees of the said The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income therefrom is to be used for scholarships for male students at The Ohio State University, with first preference given to applicants from Zanesville, Ohio. In all cases, financial need shall be a factor in determining the recipients. The amount of the scholarship stipend shall be determined by the unit of the University charged with operating its scholarship program, with the request that a scholarship grant from this fund shall cover up to four years of undergraduate work and graduate or professional work, if a recipient desires to take such advanced courses. The stipend may also provide some contribution toward board and lodging.

In the event that the need for such scholarships ceases to exist or so diminishes as to create unused income, then the income from the said Fund may be used by the Board of Trustees of The Ohio State University in its discretion.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

2. \$152,011.31 from Samuel M. Melton, Columbus, Ohio, for the Samuel and Esther Melton Chair of Jewish History and Studies.
3. \$98,820.93 from The Arthur Young Foundation, Santa Ana, California, (In the names of Harold H. Bach, Jr., Harmon W. Beyer, Robert H. Birkhold, Charles C. Crumley, Harold O. Davidson, James B. Gwilym, Ernest L. Hicks, David L. James, Duane L. Marx, William C. Merrick, Donald N. Payne, William B. Sellers, Jr., Melvin H. Villhauer and John M. Waterman) for the Arthur Young Professorship in Accounting in the College of Administrative Science - Accounting.
4. \$51,776.81 from the Estate of Harriet A. Paul, Columbus, Ohio, to establish the Charles E. Paul Memorial Student Loan Fund.
5. \$25,200.00 from the Eli Lilly and Company, Indianapolis, Indiana-- \$18,200.00 for the Infectious Disease Research Fund and \$7,000.00 for the Eli Lilly and Company Organic Chemistry Research Fund.
6. \$19,289.62 from the Estate of Edwin H. Penisten, Chillicothe, Ohio, for the establishment of the Ed Penisten Scholarship Fund.

Ed Penisten Scholarship Fund

The Ed Penisten Scholarship Fund was established July 31, 1969, by the Board of Trustees of The Ohio State University, with a bequest to The Ohio State University Development Fund from Edwin H. Penisten, deceased, who was a member of the Class of 1910, formerly of Chillicothe, Ohio.

This bequest is to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used annually to provide scholarships and/or grants-in-aid for male students at The Ohio State University in such amounts as may be determined by the official University Scholarship Committee and all awards are to be made by said Committee. Preference is to be given to qualified students scholastically who are also participating in intercollegiate athletics. It was the donor's wish and hope that income from this fund should be spent, so far as possible, in benefiting worthy Ohio State athletes, especially in football, and Ohio State athletics in general.

In the event the need for such scholarships ceases to exist or so diminishes as to create unused income, then the income may be used by the Board of Trustees of The Ohio State University, in its discretion, for any purpose whatsoever.



July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

7. \$15,000.00 from the Bremer Foundation, Youngstown, Ohio, (In the name of Marie R. Bremer), for the Bremer Foundation Fund in the College of Medicine.
8. \$15,000.00 from Mrs. Bruce K. (Adah V.) Wiseman, Columbus, Ohio, for the establishment of the Bruce K. and Adah V. Wiseman Fund.

Bruce K. and Adah V. Wiseman Fund

The Bruce K. and Adah V. Wiseman Fund was established July 31, 1969, by the Board of Trustees of The Ohio State University with gifts to the University through the Development Fund from Mrs. Bruce K. (Adah V.) Wiseman, Columbus, Ohio.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used in support of education and research in the field of medicine, particularly in projects conducted in the Wiseman Hall Research Facility, in the College of Medicine, as directed by the Dean of the College of Medicine. The principal may also be used for the above purposes.

Should the need for this support cease to exist or so diminish as to provide unused income, or should the College of Medicine cease to exist, through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical education and medical research.

9. \$13,200.00 from Martha Holden Jennings Foundation, Cleveland, Ohio, for the New Dimensions Program Fund.
10. \$11,646.20 from the American Medical Association Education and Research Foundation, Chicago, Illinois, to support the Faculty Seminar on Medical Education.
11. \$10,000.00 from the Ohio Turfgrass Foundation, Columbus, Ohio, for research in the Department of Agronomy.
12. \$10,000.00 from The Penton Publishing Company, Cleveland, Ohio, for the Center for Tomorrow Fund.
13. \$10,000.00 from The Refractories Institute, Pittsburgh, Pennsylvania, for the Refractories Institute Research Fund.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

14. \$10,000.00 from the Estate of Edmond R. Sawtell, State College, Pennsylvania, for the establishment of the Edmond R. Sawtell Fund.

Edmond R. Sawtell Fund

The Edmond R. Sawtell Fund was established July 31, 1969, by the Board of Trustees of The Ohio State University with a bequest to the University through The Ohio State University Development Fund from Edmond R. Sawtell, deceased, formerly of State College, Pennsylvania.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for graduate or undergraduate students studying in the field of conservation and natural resources. Students are to be recommended by the Director of the School of Natural Resources.

Should this need cease to exist or so diminish as to provide unused income, or should the School of Natural Resources cease to exist, through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for conservation and natural resources education.

15. \$10,000.00 from Corn Products Company, Argo, Illinois, for the Corn Products Company Graduate Research Fund in Dairy Technology.
16. \$9,925.00 from The Edward Orton, Jr., Ceramic Foundation-- \$4,925.00 for the Orton Foundation Fund for Equipment in the Department of Ceramic Engineering, \$4,000.00 for the John L. Carruthers Fellowship in Ceramic Engineering and \$1,000.00 for the Ceramic Engineering Equipment Fund.
17. \$8,500.00 from General Motors Engineering Staff, Warren, Michigan, for Low Emission Manifold Study Fund in the Department of Mechanical Engineering.
18. \$7,500.00 from International Business Machines Corporation, Armonk, New York, for the Center for Tomorrow Fund.
19. \$7,500.00 from C. Gordon Jelliffe, Columbus, Ohio, for the John W. Bricker Professorship in the College of Law.
20. \$6,500.00 from the Central Ohio Chapter, National Kidney Foundation, Columbus, Ohio, for the Department of Medicine Fellowship Fund.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

21. \$6,025.00 from the Trust under the Will of Anna Roessler, Columbus, Ohio, for the Samuel J. Roessler Memorial Fund in the College of Medicine.
22. \$6,000.00 from Rohm and Haas Company--\$5,000.00 for the Rohm and Haas Company Fund in Chemistry and \$1,000.00 for the Department of Chemical Engineering Rohm and Haas Company Scholarship Fund.
23. \$5,069.74 from the Lima Campus/OSU Sustaining Committee for the Lima Campus/OSU Fund.
24. \$5,000.00 from Charities Foundation, Toledo, Ohio, (In the name of Owens-Illinois, Inc.), for the Center for Tomorrow Fund.
25. \$5,000.00 from James R. Riley, Worthington, Ohio, for the Center for Tomorrow Fund.
26. \$5,000.00 from Turner and Shepard, Inc., Columbus, Ohio, for the establishment of the Turner and Shepard, Inc., Fund in the College of Administrative Science.

Turner and Shepard, Inc., Fund

The Turner and Shepard, Inc., Fund was established July 31, 1969, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Turner and Shepard, Inc., as a memorial to Floyd L. Turner, C.L.U., formerly of Columbus, Ohio.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be awarded annually to a full-time graduate or undergraduate student in the College of Administrative Science. The student to receive the award shall be selected by the Dean of the College of Administrative Science, upon the recommendation of Helen H. Turner, widow of Floyd L. Turner, in agreement with The Griffith Foundation. Upon the death or unavailability of Mrs. Helen H. Turner, recommendations are to be made by three descendants of Mr. and Mrs. Floyd L. Turner, to wit: Thomas J. Turner, Richard H. Turner, James F. Turner, each in succession to his mother or brother in the order of their ages. Upon the death or unavailability of Mrs. Turner and all of these descendants, recommendations are to be made by The Griffith Foundation. The principal may be invaded as recommended by those who recommend the students for the award.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

26. Turner and Shepard, Inc., Fund (continued)

Should the need for these awards cease to exist or so diminish as to provide unused income, or should the College of Administrative Science cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for business education.

27. \$5,000.00 from Union Carbide Corporation, New York, New York, for the Union Carbide Fellowship in Chemistry.
28. \$5,000.00 from Union Carbide Corporation, Linde Division, New York, New York, for the Union Carbide Corporation Fellowship in Welding Engineering.
29. \$5,000.00 from Union Carbide Corporation, South Charleston, West Virginia, for the Union Carbide Corporation Fellowship and Grant-in-Aid Fund in Chemical Engineering.
30. \$5,000.00 from Warren-Teed Pharmaceuticals, Inc., Columbus, Ohio, for the Warren-Teed Pharmaceuticals Bioceramic Research Fund.
31. \$4,568.75 from the Morris Animal Foundation for the Mark L. Morris Animal Foundation in the College of Veterinary Medicine.
32. \$4,500.00 from Kennecott Copper Corporation for the Kennecott Copper Corporation Fellowship in Metallurgical Engineering.
33. \$4,400.00 from The Dow Chemical Company--\$2,500.00 for the Dow Chemical Company Scholarship and Fellowship Fund in Chemical Engineering, \$1,400.00 for the Dow Chemical Scholarship and Fellowship Fund in Chemistry and \$500.00 for Marketing Faculty Support Fund.
34. \$4,200.00 from North American Rockwell Corporation for the North American Aviation Fellowship in Aviation Medicine.
35. \$4,087.50 from Mr. Jacob E. Davis for the Jacob E. Davis Fund for the College of Law.
36. \$4,000.00 from Abbott Laboratories, North Chicago, Illinois, for the Abbott Laboratories Antibiotics Research Fund.
37. \$4,000.00 from Miss Irene D. Hirsch for the Crime and Delinquency Research Fund.
38. \$3,500.00 from The Seven-Up Bottling Company, (In the names of Henry M. O'Neill, Jr., and Henry M. O'Neill, Sr.), for the Student Athlete Grant-in-Aid Fund.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

39. \$3,500.00 from the Stauffer Chemical Company for the Stauffer Chemical Company Chemistry Fund.
40. \$3,476.40 from Dr. Paul N. Curtiss, Jr., for the Orthopaedic Development Fund.
41. \$3,443.75 from Alex Schoenbaum--\$2,443.75 for the Alex Schoenbaum Fund and \$1,000.00 for the Marketing Faculty Support Fund.
42. \$3,050.00 from Dr. John K. Pfahl for the Elvin F. Donaldson Fund.
43. \$3,000.00 from The East Ohio Gas Company as an unrestricted gift to the University.
44. \$3,000.00 from Educational Records Bureau, New York, New York, for the E. R. B. -E. E. G. Fund.
45. \$3,000.00 from Public Welfare Foundation, Inc., Washington, D. C., for the Public Welfare Foundation, Inc., Student Emergency Loan Fund.
46. \$2,864.49 from Mr. M. Merle Harrod as an undesignated gift to the University.
47. \$2,500.00 from Sam S. Shubert Foundation, New York, New York, for the Theatre Development Fund.
48. \$2,500.00 from Cooper-Bessemer Company for the Cooper-Bessemer Engineering Scholarship Fund.
49. \$2,500.00 from Syntex Laboratories, Palo Alto, California, for the Syntex Fund for research in the Department of Obstetrics and Gynecology.
50. \$2,500.00 from the Forging Industry Educational and Research Foundation, (In the names of David E. Tilton, Earl M. Tilton, Mrs. Ann T. King and Mrs. Martha T. Reissig)--\$1,250.00 for the Earl M. Tilton Professorship in Mechanical Metallurgy and \$1,250.00 for the FIE&R Foundation Fund.
51. \$2,000.00 from Charles Pfizer and Company for the Infectious Disease Research Fund.
52. \$1,652.50 from the Columbus Jewish Welfare Foundation, (In the name of Mrs. Sarah M. Beckman), for the Theodore N. Beckman Fund for Research in Marketing.
53. \$1,549.00 from Dr. William E. Hunt for the Harry E. LeFever Fund for Education of Neurological Surgeons in the Department of Surgery.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

54. \$1,500.00 from The Hildreth Foundation, Inc., (In the name of Gordon E. Hildreth), for the Student Athlete Grant-in-Aid Fund.
55. \$1,500.00 from The Link Foundation for the Link Foundation Fund for the School of Aviation.
56. \$1,290.00 from Dr. William G. Pace for General Surgery Fund in the College of Medicine.
57. \$1,287.00 from Mr. Arthur E. Shepard--\$787.00 as an undesignated gift to the University and \$500.00 for the Charles W. Griffith Memorial Fund.
58. \$1,239.00 from Charles C. Crumley for the Arthur Young Professorship in Accounting.
59. \$1,218.00 from Jack N. Meeks Foundation, (In the name of Jack N. Meeks), for Neurology Research Fund.
60. \$1,040.19 from Mr. James C. Steffan for the John W. Bricker Professorship in the College of Law.
61. \$1,001.43 from Dr. Richard H. Keates for Ophthalmologic Center Fund.
62. \$1,000.00 from A. B. "Dolly" and Ralph Cohen Foundation, (In the name of Mrs. A. B. "Dolly" Cohen), for the Presidents Club Special Fund.
63. \$1,000.00 from Clyde G. Conley for the Clyde G. Conley Fund for Engineering.
64. \$1,000.00 from Walter English, [In the name of Marian Dupuis English (Mrs. Walter)], for the Food Industry Professorship Fund.
65. \$1,000.00 from Gates, McDonald & Company, (In the name of Donald C. Chapman), for the Donald C. Chapman Fund.
66. \$1,000.00 from Raymond D. Hammond, Pittsburgh, Pennsylvania, for the Raymond D. Hammond Chemical Engineering Fund.
67. \$1,000.00 from Handcraft Metals Corporation, Cleveland, Ohio, (In the name of Walter S. Klevay), for the Walter S. Klevay Fund in the College of Administrative Science.
68. \$1,000.00 from The Charles Y. and Frances N. Lazarus Family Foundation, (In the name of Mrs. Frances N. Lazarus), as an undesignated gift to the University.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

69. \$1,000.00 from The Charles Y. and Frances N. Lazarus Family Foundation, (In the name of Charles Y. Lazarus), as an unrestricted gift to the University.
70. \$1,000.00 from Richard M. Ross--\$500.00 for the Ohio Dairy Products Research Fund and \$500.00 for the School of Art Special Fund.
71. \$1,000.00 from The Rusoff Foundation, (In the name of Maurice B. Rusoff), for the Maurice B. Rusoff Award Fund.
72. \$1,000.00 from Henry G. Schmidt for the Ottawa Club Fund.
73. \$1,000.00 from The Joseph & Helen Skilken Foundation, (In the name of Joseph Skilken), for the Michael Peppe - Carl Wirthwein Scholarship Fund.
74. \$1,000.00 from Mr. Ralph N. Smeck for the Zollinger Research Fund.

TOTAL - Received Through The Ohio State University Development Fund  
\$901,618.44

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the acceptance of the foregoing grants and gifts and the establishment of the above-named funds were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

1. Month of May, 1969

In May, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	4,001	\$170,060.57
Individuals other than alumni	82	17,436.74
Nonprofit organizations	32	31,199.45
Business concerns	20	50,094.18
	<u>4,135</u>	<u>\$268,790.94</u>

Of these gifts, 3,226 totaling \$31,252.50 were undesignated and 909 totaling \$237,538.44 were designated.

July 31, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund (continued)

2. Month of June, 1969

In June, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	5,107	\$542,271.22
Individuals other than alumni	239	89,819.96
Nonprofit organizations	64	96,562.51
Business concerns	41	120,974.44
	<u>5,451</u>	<u>\$849,628.13</u>

Of these gifts, 3,890 totaling \$39,620.55 were undesignated and 1,561 totaling \$810,007.58 were designated.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Transfer of Earned Indirect Costs

President Fawcett reported that in accordance with the policy previously adopted by the Board, earned indirect costs were transferred to Account 149999, University Treasurer General Fund.

Administrative expenses, costs of heat, light and power; and other indirect costs on Grants and Contracts of National Science Foundation; U. S. Department of Health, Education and Welfare; other Federal Agencies; and Corporation gifts for general University purposes for fiscal year 1968-69.

National Science Foundation

310064	Education	Richardson	\$ 5,462.71
310070	Pharmacy	Malspeis	16.43
310072	History	Burnham	100.65
310073	Geology	Noel	461.70
310075	Mathematics	Brown	2,990.88
310076	Education	Schlessinger	703.90
310077	Biology	Rudolph	2,002.36
310078	Geology	Spieker	812.79
310079	Mathematics	Riner	3,670.29
310080	Education	Schlessinger	1,006.30
310081	Engineering	Yarrington	1,910.92
310084	Chemistry	Ouellette	652.13
310085	Physics	Wigen	595.96

Total National Science Foundation \$ 20,387.02



July 31, 1969 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

A. Transfer of Earned Indirect Costs (continued)

U. S. Department of Health, Education and Welfare

320100	NIH - Entomology - Wharton	\$ 980.64
320150	NIH - Medicine - Warren	1,970.14
320152	NIH - Entomology - Wharton	3,559.47
320153	NIH - Otolaryngology - Saunders	8,316.65
320154	NIH - Veterinary Pathology - Cole	10,030.21
320155	NIH - Pharmacology - Hollander	1,513.68
320156	NIH - Pathology - Von Haam	1,602.48
320159	NIH - Psychiatry - Gregory	2,487.72
320160	NIH - Medicine - Allen	3,698.68
320161	NIH - Ophthalmology - Makley	2,545.36
320162	NIH - Pathology - Cerilli	5,275.97
320163	NIH - Surgery - Zollinger	5,428.90
320164	NIH - Medicine - Mengel	2,879.11
320165	NIH - Medicine - Warren	4,519.49
320166	NIH - School of Nursing - Newton	1,726.00
320167	NIH - Preventive Medicine - Shillito	2,459.81
320168	NIH - Pharmacology - Marks	4,601.57
320170	NIH - School of Social Work - Shimp	2,896.62
320171	NIH - Psychiatry - Gregory	4,592.40
320172	NIH - Surgery - Hunt	1,868.72
320173	NIH - Dentistry - Trippy	2,593.00
320174	NIH - Veterinary Physiology and Pharmacology - Hamlin	1,776.88
320175	NIH - Psychiatry - Gregory	3,840.00
320176	NIH - School of Nursing - Newton	2,065.08
320177	NIH - Obstetrics and Gynecology - Besch	1,471.80
320178	NIH - Psychology - Meyer	1,196.68
320179	NIH - Medicine - Weissler	2,074.00
320180	NIH - Psychology - Wherry	2,869.37
320181	NIH - Psychology - Wickens	1,959.35
320183	NIH - School of Social Work - Shimp	2,321.67
320184	NIH - Industrial Engineering - Rockwell	3,824.68
320185	NIH - School of Natural Resources - Dambach	2,459.25
320186	NIH - School of Social Work - Cornell	144.00
320187	NIH - School of Social Work - Shimp	1,436.99
320188	NIH - Medicine - Skillman	3,903.72
320189	NIH - Medicine - Weissler	1,756.22
320190	NIH - Dentistry - Kolas	1,542.76
320191	NIH - Dentistry - Rosen	1,468.14
320192	NIH - Obstetrics and Gynecology - Ullery	2,876.25
320193	NIH - Psychiatry - Marks	1,041.53
320197	NIH - Psychology - Meyer	1,133.60
320202	NIH - Medical Microbiology - Bowman	1,298.68
320204	NIH - Medicine - Warren	2,000.00
320208	NIH - Physics - Nelson	1,887.68
320226	NIH - School of Social Work - Cornell	144.00
320235	NIH - Veterinary Physiology and Pharmacology - Hamlin	1,629.21

July 31, 1969 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

A. Transfer of Earned Indirect Costs (continued)

U. S. Department of Health, Education and Welfare (continued)

330035	Children's Bureau - Psychology - Rie	\$ 1,350.95
330041	PHS - Medicine - Meiling	10,690.21
330042	Children's Bureau - School of Social Work - Schneiderman	4,483.79
330044	PHS - Medicine - Keller	4,850.20
330045	PHS - Medicine - Vasko	3,731.22
330046	PHS - Medicine - Gibson	3,725.89
330047	VRA - School of Allied Medical Professions - Locher	1,626.60
330048	VRA - Speech - Black	1,287.27
330049	VRA - Physical Medicine - Nagi	10,652.45
330050	VRA - Physical Medicine - Johnson	11,252.96
330053	VRA - Sociology - Nagi	1,257.29
330054	VRA - School of Allied Medical Professions - Woods	575.56
330057	Children's Bureau - Medicine - Gibson	2,821.77
330065	Children's Bureau - School of Social Work - Medhurst	253.05
340032	OE - Education - Cook	1,828.18
340061	OE - Center for Vocational and Technical Education - Huffman	2,445.86
340065	OE - Center for Vocational and Technical Education - Taylor	196,460.38
340067	OE - Education - Eberhart	5,259.23
340068	OE - School of Art - Efland	3,748.38
340070	OE - Education - Allen	4,822.25
340071	OE - Education - Hoffman	4,324.89
340075	OE - Center for Vocational and Technical Education - Hensel	2,346.45
340093	OE - Center for Vocational and Technical Education - Johnson	1,124.02
	Total U. S. Department of Health, Education and Welfare	<u>\$404,587.01</u>

U. S. Government - Other

390004	AID - Service Charges for Participants	\$ 6,296.00
390006	AID - India - Education	32,335.29
390009	USN - M. E. N. D. - Shillito	745.64
390013	Veterans' Administration - 10%	325.88
390019	AID - Guinea - Administrative Science	4,000.00
390020	AID - Brazil - Agriculture	40,000.00
390022	AID - Africa - Administrative Science	48.00
390027	AID - Africa - Administrative Science	405.00
390034	AID - India - Agriculture	13,462.11
390035	AID - India - Agriculture	15,734.79

July 31, 1969 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

A. Transfer of Earned Indirect Costs (continued)

U. S. Government - Other (continued)

390036	U. S. Department of Labor - Education - Peters	\$ (1,660.00)
390041	AID - Purdue University (Subcontract)	699.52
390042	AID - India - Education	7,984.62
390044	AID - Administrative Science	2,000.00
390052	AID - Administrative Science	1,000.00
390054	AID - University of Illinois (Subcontract)	4,823.06
390056	Wright-Patterson Graduate Center	25,387.30
390057	Department of the Interior - School of Natural Resources - Dambach	<u>1,316.00</u>
Total U. S. Government - Other		<u>\$154,903.21</u>

Miscellaneous

410030	State Department of Education - Jennings	\$ 269.34
410041	State Department of Education - Peters	1,244.00
410068	State Library Board - Sisson	751.00
410069	State Department of Education - Peters	1,201.61
410070	State Department of Education - Dowling	2,049.00
531037	Continental Casualty Company	20,136.00
531105	Sloan Foundation - Chemistry - Paquette	1,050.00
531117	L. S. I. Service Corporation - Education	2,417.00
531134	Sloan Foundation - Chemistry - Gassman	<u>1,050.00</u>
Total Miscellaneous		<u>\$ 30,167.95</u>

Grand Total	<u><u>\$610,045.19</u></u>
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B. Transfers to Plant Funds

President Fawcett reported for information and the record that during the fiscal year 1968-69, the following transfers were made from current funds to plant funds:

<u>Account Description</u>	<u>B/A</u>	<u>Transferred from B/A</u>	<u>Amount</u>
University Hospital - Operating Rooms	801072	960200	\$ (8,599.09)
Main Library - Stacks	801073	149999	(6,905.11)
University Hospital - Closed Circuit Television	801078	960200	(21,557.50)
School of Nursing	801097	149999	(2,834.83)
Land	801099	149997	3,500.00
University Hospital - Dishwasher	801101	960200	(1,365.70)
Oxley Hall Remodeling	801109	149999	(17,250.00)

July 31, 1969 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

B. Transfers to Plant Funds (continued)

<u>Account Description</u>	<u>B/A</u>	<u>Transferred from B/A</u>	<u>Amount</u>
Upham Hall Remodeling	801116	960200	\$ (14, 939.05)
University Hospital - Corridors and Lobbies	801121	960200	1, 074. 37
University Hospital - 2nd Floor Corridor	801122	960200	(5, 654. 94)
Starling-Loving - Room M364	801135	960200	(880. 96)
University School Remodeling	801140	149993	8, 150. 00
	801140	149997	120, 000. 00
University Hospital - Room N-1046	801142	960200	(6, 639. 24)
University Hospital - Fourth Floor Corridor	801147	960200	(4, 964. 94)
University Hospital - Intensive Care - 4E	801150	960200	(100, 000. 00)
Agricultural Administration Building - Heating and Air Conditioning	801153	149996	3, 300. 00
Sisson Hall - Remodeling West Wing	801154	149997	800. 00
Starling-Loving - Electrical System	801156	960200	57, 500. 00
Physical Education Building - Remodeling	801161	226314	35, 000. 00
Horticulture Building Remodeling	801162	149996	(25, 000. 00)
Journalism Building Remodeling	801164	149993	3, 000. 00
Brown Hall Remodeling	801165	149993	138, 500. 00
Lord Hall Remodeling	801166	149993	36, 455. 00
	801166	152525	21, 200. 00
Denney Hall Remodeling	801167	149993	22, 000. 00
Haskett Hall Remodeling	801168	149993	15, 000. 00
	801168	149996	3, 530. 00
Mendenhall Remodeling	801169	129060	16, 230. 00
	801169	149993	29, 334. 00
Industrial Engineering Remodeling	801170	149993	36, 863. 16
	801170	152525	1, 431. 00
	801170	609632	2, 000. 00
Hagerty Hall Remodeling	801171	149993	24, 900. 00
Systems Engineering Remodeling	801172	149993	28, 797. 00
	801172	149997	10, 000. 00
Medical Center Utilities	801174	149993	10, 000. 00
McPherson Laboratory Remodeling	801177	149993	51, 565. 00
	801177	149997	43, 535. 00
Power Plant - Boiler No. 9	801178	149996	200, 000. 00

July 31, 1969 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

B. Transfers to Plant Funds (continued)

<u>Account Description</u>	<u>B/A</u>	<u>Transferred from B/A</u>	<u>Amount</u>
Power Plant Boilers No. 6 and No. 7	801179	124353	\$ 10,000.00
	801179	149996	130,000.00
Administration Building - Room 108	801180	149996	20,452.00
Cockins Hall Remodeling	801181	149993	62,825.00
Neil-17th Building Remodeling	801182	149993	46,774.00
Goss Laboratory Remodeling	801183	149996	24,342.00
Horticulture Gardens	801184	149993	32,669.00
Central Service Building - Police Station	801185	149996	40,354.00
Pharmacy Building Remodeling	801186	149996	17,420.00
Main Library - Thurber Collection Area	801187	149996	30,000.00
	801187	521613	9,850.00
Power Plant - Primary Electrical Distribution System	801188	149996	280,000.00
Hamilton Hall - Room 215B	801189	149996	19,789.00
University Hospital - Air Conditioning - Phase III	801190	960200	48,925.00
Administration Building - Air Conditioning - Third Floor - West	801191	117825	8,000.00
Means Hall - Toilet Facilities	801193	960200	33,300.00
Lima Entranceway	801194	149994	30,478.00
Means Hall - Fourth Floor	801195	960200	32,778.00
Starling-Loving - Computer Facility	801196	960200	300,000.00
Pedestrian Bridge	801197	921300	93,000.00
University Hospital - Air Conditioning - South Corridor	801198	960200	26,960.00
Starling-Loving - Fourth Floor - B Wing	801199	960200	26,406.00
South Dormitories - Telephone Ducts	801201	124358	85,000.00
Stadium Drive Improvement	801203	149997	5,000.00
Newark Parking Lot	801204	149994	44,000.00
Hospital - Capital Reserve	809998	960200	250,000.00
Ohio Union Garage	809999	921300	267,229.00
	809999	149993	150,000.00
Horticulture - Plastic Greenhouses	809999	522459	<u>7,014.24</u>
Total			<u>\$2,839,638.41</u>

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July 31, 1969 meeting, Board of Trustees

VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Mansfield Technical Building

This building will provide laboratories, storage facilities and offices for the technical education program at Mansfield leading to the Associate Degree.

Funds for this project have been provided from Item 060, H. B. 886; Item 033, H. B. 828; and an allocation from the appropriation to the Ohio Board of Regents in Am. Sub. H. B. 531.

B. Lima Technical Building

This building will be constructed at the Lima Branch Campus and will provide laboratories, storage facilities, and offices for the technical education program leading to the Associate Degree.

Funds for this project have been provided from Item 063, H. B. 886; Item 033, H. B. 828; an allocation from the appropriation to the Ohio Board of Regents in Am. Sub. H. B. 531; and a Federal Grant (Title I).

C. Roof Repairs for 1969

This project provides repairs and maintenance to the roofs of the Laundry (old) and Garage; Lord Hall; Research Center (Boiler House); and Welding Engineering.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

D. Lighting Improvements - 1969

This project will provide improved lighting for areas on Neil Avenue, the Oval, 18th Avenue and College Road.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

E. University Hospital - Improvements to 6th Floor and 7 East Nursing Station

This project provides walltex installation, painting, floor repair and minor electrical and mechanical work as required.

Funds for this project have been provided from Budget Account 960200 (University Hospital Rotary).

VI. PLANS AND SPECIFICATIONS (continued)

F. Primary Electrical Line Relocation

As a result of the construction of the Olentangy Freeway, it is necessary to relocate electrical connections. This work will be accomplished in three phases: (1) Installation of underground ducts and manholes approximately 1,600 ft. along Cannon Drive from the existing McCracken feeder line south to the proposed sub-station site; (2) Purchase of power cables; and (3) Installation and wiring of the above power cables.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

G. Systems Engineering - Area 480 Computer Facility

This project provides conversion of the present fourth-floor classroom space to additional computer facilities for installation of IBM 360-50, 1460, and 7094 systems and seven associated offices.

Funds for this project have been provided by a transfer from Budget Account 149993 (Plant Funds Reserve) to Budget Account 801172 (Systems Engineering Remodeling).

Upon motion of Mr. Jones, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

A. Means Hall - Renovation of Electrical System

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received 6-12-69)		
Electric Power & Equipment Co.		
(Columbus)	\$ 179,774.00	\$ 243,450.00

Funds for this project have been provided from Budget Account 801200 (a transfer from Hospital Rotary).

July 31, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. Means Hall - Additional Patient Facilities

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(2 bids received 6-19-69)		
Waller and Lund, Inc. (Columbus)	\$ 11,840.00	\$ 13,678.00
<u>Mechanical Contract</u>		
(2 bids received 6-12-69)		
Roland Esswein and Sons, Inc. (Columbus)	14,460.00	19,612.00
<u>Total Contracts</u>	<u>\$ 26,300.00</u>	<u>\$ 33,290.00</u>

Funds for this project have been transferred from the Hospital Rotary to Budget Account 801193 (Means Hall Patient Facilities).

C. Underground Duct System - Twelfth Avenue

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received 6-18-69)		
Pence Electric Company (Columbus)	\$ 17,903.00	\$ 30,000.00

Funds for this project have been provided by a transfer from Budget Account 149996 (Contingency Reserve) to Budget Account 801188 (Primary Electrical Distribution System).

D. University College - Building No. 3

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received 6-17-69)		
XL Corporation (Columbus)		
Base bid	\$1,268,000.00	\$1,670,493.00
Alt. G-1 Sloping insulating concrete roof fill	18,000.00	21,719.00
Alt. G-3 Bronze finish on aluminum window frames	1,800.00	3,856.00
Alt. G-4 Prefinished and prefit wood doors	-0-	3,700.00
Alt. G-5 Asphalt paving block	8,000.00	22,126.00
Alt. G-6 Service court enlargement	18,000.00	16,000.00
Total Contract	<u>\$1,313,800.00</u>	<u>\$1,737,894.00</u>
<u>Plumbing Contract</u>		
(5 bids received 6-17-69)		
Sauer, Inc. (Columbus)		
Base bid	<u>\$ 99,370.00</u>	<u>\$ 141,200.00</u>



July 31, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

D. University College - Building No. 3 (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(4 bids received 6-17-69)		
Limbach Company (Columbus)		
Base bid	\$ 386,550.00	\$ 429,850.00
Alt. HVAC-1 Alternate tempera- ture control center	-0-	-0-
Total Contract	<u>\$ 386,550.00</u>	<u>\$ 429,850.00</u>
<u>Electrical Contract</u>		
(7 bids received 6-17-69)		
Blum & Son Electric, Inc. (Columbus)		
Base bid	<u>\$ 247,665.00</u>	<u>\$ 323,720.00</u>
<u>Library Equipment Contract</u>		
(4 bids received 6-17-69)		
Estey Corporation (Red Bank, New Jersey)		
Base bid	<u>\$ 124,611.00</u>	<u>\$ 224,737.00</u>
Total Contracts	<u>\$2,171,996.00</u>	<u>\$2,857,401.00</u>

Funds for this project have been provided from Item 055, H. B. 949, Item 055, H. B. 886, and a Federal Grant (Title I).

E. Intensive Care-Recovery Rooms Remodeling, University Hospital

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(2 bids received 6-12-69)		
E. J. Will and Company (Columbus)		
Base bid	\$ 118,455.00	\$ 129,819.00
<u>Plumbing Contract</u>		
(2 bids received 6-12-69)		
Bruner Corporation (Columbus)		
Base bid	34,226.00	38,200.00
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(3 bids received 5-27-69)		
Julian Speer Company (Columbus)		
Base bid	51,700.00	58,370.00

July 31, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Intensive Care-Recovery Rooms Remodeling, University Hospital (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electric Contract</u> (2 bids received 5-27-69) Electric Power Equipment Co. (Columbus)		
Base bid	\$ 25,281.00	\$ 26,000.00
<u>Total Contracts</u>	<u>\$ 229,662.00</u>	<u>\$ 252,389.00</u>

Funds for this project have been provided by a transfer from University Hospital Rotary to Budget Account 801150 (Remodel Intensive Care - Recovery Rooms).

F. Edith Cockins Hall - Modernization for Faculty Offices

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received 6-18-69) Julian Speer Company	\$ 27,300.00	\$ 29,000.00

Funds for this project have been provided by a transfer from Budget Account 149993 (Plant Funds Reserve) to Budget Account 801181 (Edith Cockins Hall).

G. Laboratory Animal Facility, Off-Site Utilities

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Water Main Contract</u> (7 bids received 7-16-69) Complete General Construction Co. (Columbus)	\$ 23,960.00	\$ 29,660.00
<u>Sanitary Sewer Contract</u> (7 bids received 7-16-69) Capital City Excavating Co., Inc. (Columbus)	\$ 63,590.07	\$ 74,915.00
<u>Total Contracts</u>	<u>\$ 87,550.07</u>	<u>\$ 104,575.00</u>

Funds for this project have been provided from Budget Account 179997 (University Treasurer Research), Budget Account 179999 (University Treasurer General Fund), Budget Account 226396 (Mershon Unrestricted), Budget Account 809998 (Hospital), Budget Account 149993 (Plant Funds Reserve) and a Public Health Service Grant.

July 31, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

H. University School Building Renovation

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
7 bids received 7-17-69)		
Robert H. Johns (Columbus)		
Base bid	\$ 29,988.00	\$ 30,150.00
Alt. G-1 Provide louver screens for windows in Rooms 306, 307, 307A, 308, 308A, 309, 310, 311, 311B and 311C	<u>2,200.00</u>	<u>2,500.00</u>
Total Contract	<u>\$ 32,188.00</u>	<u>\$ 32,650.00</u>
<u>Plumbing Contract</u>		
(6 bids received 7-17-69)		
Bruner Corporation (Columbus)		
Base bid	<u>\$ 1,125.00</u>	<u>\$ 3,000.00</u>
<u>Heating, Ventilating and Air Conditioning Contract</u>		
(3 bids received 7-17-69)		
Bruner Corporation (Columbus)		
Base bid	<u>\$ 1,075.00</u>	<u>\$ 4,300.00</u>
<u>Electric Contract</u>		
(3 bids received 7-17-69)		
Armstrong Electric Co. (Columbus)		
Base bid	\$ 22,200.00	\$ 35,931.00
Alt. E-3 Provide 750 KVA trans- former	<u>24,490.00</u>	<u>12,000.00</u>
Total Contract	<u>\$ 46,690.00</u>	<u>\$ 47,931.00</u>
<u>Total Contracts</u>	<u>\$ 81,078.00</u>	<u>\$ 87,881.00</u>

Funds for this project have been provided by a transfer from Budget Account 179999 (University Treasurer General Fund) and Budget Account 149997 (New Program Reserve) to Budget Account 801140 (University School Remodeling).

Upon motion of Mr. Bricker, seconded by Mr. Eckley, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

- No. 14 Approves the release of \$5,739.00 from Item 038, H. B. 886, for Sound Control and Light Switches in Lecture Hall 100; additional areas for demonstration, preparation of experiments and visual aid work in the Auto-Tutorial Laboratory; relocation of light switch panel in Library Room 200; and additional circuitry for the Auto-Tutorial Carrels, at the Marion Branch.
- No. 15 Approves the award of the Plumbing Contract; Heating, Ventilating and Air Conditioning Contract; and Electrical Contract for the project "Allied Medical Professions" notwithstanding the fact that the low bids were over the estimate of cost and the transfer of \$1,918,440.00 from Item 016, H. B. 886 (Medical Complex), to Item 062, H. B. 886, (School of Allied Medical Professions) to provide funds for construction.
- No. 21 Approves the allocation and release of \$1,778,100.00 from deposits in the Improvements Fund (Federal recoveries) for the construction of the project "University College (General College) Building No. 3."

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XI. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Easement and Three Work Agreements to Franklin County, Kinnear Road

WHEREAS, the Franklin County Engineer has requested an easement for the realignment and improvement of Kinnear Road and three work agreements to provide for the construction of backslopes and drainage facilities over and through property titled in the name of the State of Ohio on behalf of The Ohio State University; and

WHEREAS, upon completion of the relocation of Kinnear Road the County will vacate to the University the present right-of-way which will be abandoned;

THEREFORE, BE IT RESOLVED, that the Board of Trustees of The Ohio State University authorize the President and/or the Vice President for Business and Finance to execute an easement for highway purposes and the three work agreements to provide for the relocation and improvement to Kinnear Road, pursuant to Section 3335.11 of the Ohio Revised Code.

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the above resolution was adopted by unanimous roll call vote.

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Laboratory Animal Facility - Private Utility Agreements

WHEREAS, a private sewer agreement and a private water agreement are required with the City of Columbus for utilities for the Laboratory Animal Facility to be connected to the City of Columbus facilities;

IT WAS RECOMMENDED that the necessary agreements to provide these utilities to the Laboratory Animal Facility be negotiated and signed with the City of Columbus; and

IT WAS RECOMMENDED FURTHER that the President and/or the Vice President for Business and Finance be authorized to sign the private sewer agreement and the private water agreement with the City of Columbus to provide the University's Laboratory Animal Facility with City utilities.

Upon motion of Mr. Dunlap, seconded by Mr. Bricker, the above resolutions were adopted by unanimous roll call vote.

C. Control of Dogs, Other Domestic Animals, or Fowl

WHEREAS, The Ohio State University has no rules at the present time to prohibit dogs from being permitted to run at large on the University campus;

IT WAS RECOMMENDED THEREFORE that a new section of the University Rules be adopted to read as follows:

No person, being the owner or keeper, or harboring or having charge of any dog, other domestic animal, or fowl, shall permit the same to run at large upon the grounds of The Ohio State University. Any dog, other domestic animal, or fowl, brought onto the grounds of The Ohio State University must, by the owner, keeper, or person having charge of such dog, other domestic animal, or fowl, keep same restrained or confined through the use of a leash at all times while on the said grounds of the University.

Any dog, domestic animal, or fowl, found to be in violation of this rule and regulation may be taken into custody by University authorities and said animal, or fowl, will be held and turned over to the Humane Society for their disposition.

Any suspected rabid animal shall be held in isolation under observation by a person and in a place suitable to University officials for a period of at least ten days in order to determine the definite development of rabid symptoms or for such further period as an examining veterinarian may deem necessary.

July 31, 1969 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Control of Dogs, Other Domestic Animals, or Fowl (continued)

The foregoing recommendation has been reviewed by the Special Counsel for The Ohio State University, appointed by the Attorney General of the State of Ohio, and approved by him.

Upon motion of Mr. Safford, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Charles A. Dice, Professor Emeritus in the College of Administrative Science - Finance and Banking, and Melville L. Wolfrom, Regents Professor in the Department of Chemistry. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. Charles A. Dice

The Board of Trustees expresses its sorrow at the death on May 27, 1969, of Dr. Charles A. Dice, Professor Emeritus in the College of Administrative Science - Finance and Banking.

Dr. Dice was born in Strasburg, Ohio, on November 5, 1878. He received his Bachelor of Arts degree from Ohio Northern University in 1905, and his Bachelor of Divinity degree from Drew Theological Seminary in 1908. He earned his Master of Arts degree from Harvard University in 1911, and his Doctor of Philosophy degree from the University of Wisconsin in 1925.

Professor Dice was in charge of a statistical section in the Shipping Board in Washington, D. C., in 1918, and in 1920 he was employed in the Foreign Exchange Department of the Chase National Bank in New York City. He was a Professor at Ohio Northern University from 1911 to 1913, Professor at Rockford College, 1916-1917, and Assistant Professor at Colorado College, 1917-1919. He came to The Ohio State University in 1919 as Assistant Professor of Money and Banking in the former Department of Business Organization and the Department of Economics and was promoted to Professor in 1926. He retired in 1949 after 29 years with The Ohio State University. He was awarded an honorary Doctor of Laws degree by The Ohio State University in 1957.

In 1932 he was appointed to the advisory Board of the Ohio National Bank, Columbus, Ohio, and served on the Board for many years until it was dissolved.

July 31, 1969 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

A. Charles A. Dice (continued)

Dr. Dice, in 1952, established the Anna M. Dice Memorial Fellowship for Graduate Students, in honor of his late wife. In 1966 a group of Dr. Dice's former students, associates and friends established the Charles A. Dice Fund, designated for the advancement of knowledge and encouragement of careers in economics, business and banking.

Professor Dice held memberships in the American Economics Association and the Faculty Club; Beta Gamma Sigma and Phi Alpha Kappa, honorary fraternities; Alpha Kappa Psi, professional fraternity; and Tau Kappa Epsilon, social fraternity.

Dr. Dice gained national and international recognition with the publication in 1926 of his book The Stock Market. Dr. Dice was one of the best teachers, and perhaps the best loved professor, in the College of Commerce and Administration (now the College of Administrative Science). He is listed in Who's Who in America.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Melville L. Wolfrom

The Board of Trustees expresses its sorrow at the death on June 20, 1969, of Melville Lawrence Wolfrom, Regents Professor in the Department of Chemistry.

Melville Wolfrom was born in Bellevue, Ohio, on April 2, 1900. He received his A.B. degree (cum laude) with a major in chemistry from The Ohio State University in 1924, and the M.Sc. and Ph.D. degrees in organic chemistry from Northwestern University in 1925 and 1927, respectively. He was a National Research Council Fellow in Chemistry from 1927 to 1929 with C. S. Hudson (National Bureau of Standards, Washington, D. C.), P. A. Levene (The Rockefeller Institute for Medical Research, New York, N. Y.) and W. L. Evans (Department of Chemistry, The Ohio State University, Columbus, Ohio). He was a Fellow of the John Simon Guggenheim Memorial Foundation in 1939 with P. Karrer at the University of Zurich, Switzerland. He joined the faculty of The Ohio State University in 1929 as an Instructor in the Department of Chemistry and became an Assistant Professor in 1930. In 1936 he was promoted to Associate Professor and became Professor in 1940. He served as Head of the Division of Organic Chemistry in the Department of Chemistry from 1948 to 1960 when he was named Research Professor. In 1965 he was made Regents Professor. During his tenure at The Ohio State University Professor Wolfrom taught organic chemistry at all levels and supervised the research of nearly one hundred Ph.D. students, together with numerous post-doctoral associates and M.S. students.

July 31, 1969 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

B. Melville L. Wolfrom (continued)

Professor Wolfrom was internationally recognized as an outstanding leader in carbohydrate chemistry. He was active in many professional associations. As a member of the American Chemical Society, he served as Chairman of the Cellulose Division in 1940 and the Sugar Division in 1948. He also served as Chairman of the Columbus Section in 1940. He was a Member (or Fellow) of the American Association for the Advancement of Science, Chemical Society (London), American Society of Biological Chemists, American Academy of Arts and Sciences, Phi Beta Kappa, Sigma Xi, Phi Lambda Upsilon, Pi Mu Epsilon, Alpha Chi Sigma and was listed in Who's Who in America. He was elected to the National Academy of Sciences in 1950.

Professor Wolfrom has authored more than 500 published articles describing research on the organic chemistry of carbohydrates and other natural products. His work on carbohydrates provided a wide range of basic developments in the field, and other aspects of his research are related to problems in medicine, the food industry and the textile industry. He was editor of the annual series of specialist reviews *Advances in Carbohydrate Chemistry* since its inception in 1944. He was also Section Editor of the Carbohydrate section in *Chemical Abstracts*. As chairman of the Carbohydrate Nomenclature Committee of the American Chemical Society and member of an international committee on carbohydrate nomenclature, he coordinated the development of the systematic terminology now in use for the carbohydrates. In 1952 he received the Honor Award of the Division of Carbohydrate Chemistry of the American Chemical Society. He was honored by the Austrian Government for work in connection with the 1958 International Congress of Biochemistry held in Vienna. In 1967 he received the Austin Patterson Award for his work in chemical documentation and later that year he received the Kenneth A. Spencer Award for his contributions to agricultural chemistry.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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XI. REPORTS

A. Report on the University's Investment Portfolio

The report dated July 30, 1969, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.



July 31, 1969 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report from the Finance and Investment Committee

2. Resolution Concerning the Issuance and Sale of \$3,000,000 Dormitory Revenue Bonds, Series J, and Other Matters Related Thereto

Mr. Jones presented the following resolution:

RESOLVED, that the Board of Trustees hereby adopts the Series J Bond Resolution as set forth in the Fifth Supplemental Trust Agreement between the University and The Ohio National Bank of Columbus as Trustee, (presented to this meeting and marked Supplement A, page 61).

FURTHER RESOLVED, that the Board of Trustees hereby approves the Fifth Supplemental Trust Agreement (as presented to this meeting and marked Supplement A) in all respects and the officers designated in the Series J Bond Resolution are hereby authorized to execute and deliver said Fifth Supplemental Trust Agreement, in substantially the form presented, to The Ohio National Bank of Columbus, as Trustee, at such time as they may deem appropriate.

FURTHER RESOLVED, that the certificates of the President and Vice President, Business and Finance, of the University, attached hereto and marked respectively Supplement B (page 97) and Supplement C (page 101) Supplement B setting forth the earnings coverage pursuant to Section 6(b) of the Original Bond Resolution, and Supplement C certifying as to there being no default under the Original Trust Agreement and Certain Facts pursuant to Section 2.03(4) of the Trust Agreement, be and the same are hereby approved.

FURTHER RESOLVED, that the Board of Trustees hereby confirms the applicability of the provisions of the resolutions adopted by the Board on September 1, 1958 and June 11, 1960 relating to the parietal rules governing the use and occupancy of the University dormitory facilities to all Dormitory Facilities.

FURTHER RESOLVED, that the Board of Trustees hereby confirms the applicability of the provisions of the resolution heretofore adopted by the Board of Trustees on July 31, 1969 pertaining to the rates and charges for the dormitory and dining facilities of the University to all Dormitory Facilities.

FURTHER RESOLVED, that the Board of Trustees and the University hereby establish such special bank accounts as may be required by the Fifth Supplemental Trust Agreement or the Original Trust Agreement, or the Loan Agreement with the United States of America Contract No. H(402)3007, dated January 1, 1968 and authorized signatures for withdrawals from such accounts shall be the same as the authorized signatures with respect to bank accounts in which there are deposited pursuant to said Original Trust Agreement and the Executive Officer or Fiscal

July 31, 1969 meeting, Board of Trustees

XI. REPORTS (continued)

B. Report from the Finance and Investment Committee (continued)

1. Resolution Concerning the Issuance and Sale of  
\$3,000,000 Dormitory Revenue Bonds, Series  
J, and Other Matters Related Thereto (continued)

Officer, or any one of them, are authorized to arrange for such accounts at such banks as the officer acting may determine and the Secretary of this Board is authorized to include in the minutes as hereby adopted any standard form of bank resolution required in connection with effecting the foregoing.

FURTHER RESOLVED, that the Executive Officer or Fiscal Officer of the University, or any one of them, are authorized and directed to do all things necessary for the sale of the Series J Bonds, subject, however, to all applicable provisions of the Series J Bond Resolution and the Loan Agreement with the United States of America.

FURTHER RESOLVED, that in addition to other terms herein defined, the term "Executive Officer" shall mean the Chairman of the Board of Trustees or the President of the University; and "Fiscal Officer" shall mean the Vice President, Business and Finance, or the Assistant Treasurer of the University; the terms "Original Bond Resolution," "Dormitory Facilities," "Trust Agreement," and "Project" shall have the same meanings as are given to them in the Series J Bond Resolution.

FURTHER RESOLVED, that the adoption of the Series J Bond Resolution and approval of the Fifth Supplemental Trust Agreement on September 12, 1968, be and the same are hereby repealed and rescinded, the same having been superseded by the aforesaid adoption of the Series J Bond Resolution and approval of the Fifth Supplemental Trust Agreement by the aforesaid act this day.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the above resolution was adopted by unanimous roll call vote.

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Thereupon the Board adjourned to meet Thursday, September 11, 1969, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

SUPPLEMENT A

THE OHIO STATE UNIVERSITY  
DORMITORY REVENUE BONDS  
SERIES J

FIFTH SUPPLEMENTAL TRUST AGREEMENT

Page 62 Blank

THE OHIO STATE UNIVERSITY  
DORMITORY REVENUE BONDS  
SERIES J

FIFTH SUPPLEMENTAL TRUST AGREEMENT

THIS FIFTH SUPPLEMENTAL TRUST AGREEMENT, dated as of the 15th day of April, 1968 (herein called the "Supplement"), by and between The Ohio State University and its Board of Trustees (herein called the "University"), a state university of Ohio, and The Ohio National Bank of Columbus, Columbus, Ohio (herein called the "Trustee"), a corporation duly organized and existing under and by virtue of the laws of the United States, as Trustee under the Trust Agreement dated as of April 15, 1957 hereinafter mentioned.

WITNESSETH:

WHEREAS, the University, pursuant to the Original Bond Resolution passed April 8, 1957, entered into a Trust Agreement dated as of April 15, 1957 with the Trustee and as of April 15, 1958, October 15, 1959, April 15, 1961, April 15, 1963, and August 1, 1967, respectively entered into First, Second, Third and Fourth Supplemental Trust Agreements (which original Trust Agreement, as so supplemented thereby and hereby is herein called the "Trust Agreement") under which \$31,560,000 Series A, B, C, D, E, F, G, H and I Dormitory Revenue Bonds have been authorized and have been or are to be issued and under which additional bonds (herein called "Additional Bonds") are issuable on a parity with the said Bonds and other Additional Bonds hereafter issued under certain conditions as provided in the Trust Agreement; and

WHEREAS, the University has in all respects complied with the provisions of the Trust Agreement so as to be entitled to execute and to have authenticated and delivered by the Trustee \$3,000,000 Additional Bonds; and

## Fifth Supplemental Trust Agreement

WHEREAS, the University further desires by this Supplement to provide for the issuance under the Trust Agreement of said \$3,000,000 of Additional Bonds (herein called the Series J Bonds); and

WHEREAS, the Board of Trustees of the University has duly adopted on July 31, 1969 the Series J Bond Resolution providing for the Series J Bonds and this Supplement, which resolution collectively with the Original Bond Resolution, the Series C and D Bond Resolutions adopted July 8, 1960, the Series E, F, G, and H Bond Resolution adopted June 15, 1962, and the Series I Bond Resolution adopted July 13, 1967 is referred to as the Bond Resolution; and

WHEREAS, the Series J Bond Resolution is as follows:

### RESOLUTION

Providing for the issuance of \$3,000,000 The Ohio State University Dormitory Revenue Bonds, Series J, as Additional Parity Bonds pursuant to Bond Resolution adopted April 8, 1957 and Trust Agreement dated as of April 15, 1957, for the purpose of constructing and equipping Jones Tower.

WHEREAS, the Board of Trustees of The Ohio State University (herein called the Board) is vested with the government of The Ohio State University (herein called the University or, when the context admits, collectively with the Board called the University) by Section 3335.03 of said Revised Code, and as such Board, of suing and being sued, contracting and being contracted with, and of making and using a common seal and, under Section 3335.10 of said Revised Code, has general supervision of all land, buildings and other property of the University and control of all expenses therefor; and

WHEREAS, by authority of Section 3345.07 of the Revised Code of Ohio, the Board is authorized to construct, equip, maintain and operate upon sites within, or in close proximity to, the campus of the University, buildings to be used as dormitories and as other suitable living quarters, or as dining halls, for students and members of the faculty and servants and wives and families of married students

#### Fifth Supplemental Trust Agreement

of said University (including all separate or connected buildings, sites, equipment, structures and utilities to be used in connection with the maintenance or operation of, or in any way supplementing or related to the services of facilities to be provided by such buildings) and to pay for the same out of funds in its possession derived from operation of any such buildings under its control or out of funds borrowed therefor and to borrow funds for such purpose upon such terms as said Board may deem proper and issue notes or other written instruments evidencing such indebtedness provided that such indebtedness shall not be a claim against or lien upon any property of the State or any property of or under the control of said Board excepting such parts of the receipts of the operation of any such buildings under control of the Board as it may pledge to secure the payment of such indebtedness and by authority of said Section 3345.07 the Board is also authorized to issue such notes or other obligations payable as aforesaid in order to retire or refund outstanding notes or other obligations matured or unmatured, to repay moneys previously borrowed or advanced under said section or to reimburse funds of the University for amounts used under said Section 3345.07; and

WHEREAS, the University determined by resolution adopted April 8, 1957 (herein called the Original Bond Resolution and collectively with this resolution, the Series C and D Bond Resolution adopted July 8, 1960, the Series E, F, G and H Bond Resolution adopted June 15, 1962 and the Series I Bond Resolution adopted July 13, 1967, called the Bond Resolution) to provide for the issuance of Dormitory Revenue Bonds and pursuant to the Trust Agreement dated as of April 15, 1957 with The Ohio National Bank of Columbus (herein, with the First, Second, Third, Fourth and Fifth Supplements, called the Trust Agreement), to pledge the net income of all the dormitory facilities, including married student housing and dining halls, now or hereafter under control of the University pursuant to Ohio Revised Code Section 3345.07, and to provide in said Trust Agreement for the issuance of such Bonds

## Fifth Supplemental Trust Agreement

(herein called the Bonds) as from time to time authorized subject to the conditions contained in said Trust Agreement, and by the Original Bond Resolution and the Trust Agreement provided for the sale of an initial issue of \$12,000,000 consisting of \$6,000,000 Series A Bonds and \$6,000,000 Series B Bonds (herein called the Series A and Series B Bonds) and for the issuance from time to time as authorized by the Board of additional bonds (herein called Additional Bonds) on a parity with said initial issue of which \$2,330,000 Series C Bonds, \$2,030,000 Series D Bonds, \$5,300,000 Series E Bonds, \$1,200,000 Series F Bonds, \$1,350,000 Series G Bonds, \$2,850,000 Series H Bonds and \$10,500,000 Series I Bonds have been authorized and issued and the unmatured portions of such Series A through I Bonds are presently outstanding; and

WHEREAS, the University has not pledged or encumbered the revenues from its dormitory facilities on a basis equal or prior to the pledges under the Trust Agreement; and

WHEREAS, the University has determined to sell an issue of \$3,000,000 Additional Bonds as Series J Bonds (herein called the Series J Bonds) all as provided in the Trust Agreement; and

WHEREAS, the Board by the adoption of this resolution has determined and confirmed that it is necessary to provide additional dormitory accommodations and dining facilities located on or in close proximity to the campus of the University and, accordingly, hereby declares and determines that it is immediately necessary to construct and equip additional dormitory facilities to be known as Jones Tower (said dormitory building and all things incidental thereto being herein referred to as the Project); and

WHEREAS, said Project is to be constructed pursuant to plans prepared by the University Architect and approved by the Department of Public Works of Ohio and the Department of Housing and Urban Development of the United States of America (herein called the Government); and



## Fifth Supplemental Trust Agreement

WHEREAS, based upon final construction and other costs, the University has determined the costs of the Project to be \$4,000,000, including capitalized interest, miscellaneous expense and contingencies; and

WHEREAS, the University has heretofore by the Series I Bond Resolution adopted July 13, 1967, allocated \$610,000 of the proceeds of the sale of the Series I Bonds to the Series J Construction Fund hereinafter provided for to be held for paying costs of the Project and the University has \$390,000 of funds otherwise available for such purpose which this Board has heretofore authorized and directed be deposited in said Series J Construction Fund to be held and used for paying costs of the Project; and

WHEREAS, the University has determined to borrow the balance of the funds to pay the foregoing costs, and to advertise for bids, subject to the terms of the loan agreement (numbered Contract No. H (402) 3007) dated as of January 1, 1968 covering Project No. CH-Ohio-216 (D) (herein with any amendments thereto called the Loan Agreement) with the Government under which the Government agrees, subject to the terms of the Loan Agreement, to purchase the \$3,000,000 Dormitory Revenue Bonds, Series J.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. Purpose of Series J Bonds. It is hereby determined to be necessary to construct the Project and to issue \$3,000,000 of Dormitory Revenue Bonds of the University pursuant to Section 3345.07 of the Revised Code of Ohio and the Trust Agreement for the purpose of paying part of the cost of the Project and of all things incidental thereto or incidental to the financing thereof, including repayment of moneys previously borrowed or advanced for the Project or restoring amounts used for the Project from other funds of the University available for such purposes, excepting, however, the sum of \$610,000 allocated from the proceeds of the Series I Bonds and the \$390,000 of other

## Fifth Supplemental Trust Agreement

funds otherwise available for such purpose deposited to the Series J Construction Fund under this Resolution.

Section 2. Terms of Series J Bonds. Said \$3,000,000 of Dormitory Revenue Bonds Series J shall be issued under this Resolution, the Original Bond Resolution, and the Trust Agreement, and shall be entitled "The Ohio State University Dormitory Revenue Bonds." The Series J Bonds shall be initially issued in coupon or fully registered form as may be requested by the Original Purchaser and shall be exchangeable for fully registered or coupon bonds in the manner and on the terms provided by the Trust Agreement. Series J Bonds in coupon form shall be dated as of April 15, 1968, and shall be issued as negotiable coupon bonds, registrable as to principal in the denomination of \$5,000 or as single maturity fully registered bonds without coupons in denominations of \$5,000 or any multiples thereof, as requested by the Original Purchaser or Purchasers of such Bond or Bonds; provided, however, that until such time as the Original Purchaser or Purchasers request(s) the preparation of definitive bonds, a single multiple maturity, fully registered bond or bonds without coupons shall be issued in an amount equal to the bonds contracted for by said Purchaser or Purchasers and thereafter at the request of the holder(s) thereof the University will, at its expense and within ninety days from such request, issue to him in exchange therefor definitive bonds, as aforesaid, in aggregate principal amount equal to the unpaid principal of such single bond. The Series J Bonds in fully registered form without coupons shall be dated as of the interest payment date on which they are authenticated or the interest payment date next preceding the date of authentication, subject, however, to the terms of the Loan Agreement. The Series J Bonds in coupon form shall be numbered J 1 to J 800, inclusive, in order of maturity, and fully registered Bonds without coupons shall be numbered as determined by the Fiscal Officer, shall bear interest from their date or from the last interest payment date preceding the date of issuance, payable semi-annually on April fifteenth and October fifteenth of each year, beginning with October

Fifth Supplemental Trust Agreement

15, 1968, until the principal sum is paid, at the rate or rates per annum stipulated in the bid or bids of the successful bidders and approved in writing by the President or Fiscal Officer of the University, (or in the case of Bonds purchased by the Government pursuant to the Loan Agreement, at the rate specified in the Loan Agreement) provided that no such rate shall exceed 6% per annum. The Series J Bonds shall mature annually on October fifteenth in the years and amounts per year as follows:

<u>Years</u>	<u>Amount</u>	<u>Years</u>	<u>Amount</u>	<u>Years</u>	<u>Amount</u>
1971-1974	\$45,000	1989-1990	\$ 75,000	2001	\$105,000
1975-1977	50,000	1991-1993	80,000	2002-2003	110,000
1978-1980	55,000	1994	85,000	2004	115,000
1981-1983	60,000	1995-1996	90,000	2005	120,000
1984-1985	65,000	1997-1998	95,000	2006-2007	125,000
1986-1988	70,000	1999-2000	100,000	2008	130,000

The Series J Bonds maturing on and after October 15, 1979 shall be subject to redemption in whole or in part in inverse order of maturity, prior to the stated maturity thereof at the option of the University on any interest payment date on and after April 15, 1979, at redemption prices equal to the following percentages of the principal amount redeemed, plus accrued interest to the date fixed for redemption, to wit:

- 3 % if redeemed April 15, 1979 through October 15, 1983, inc.
- 2-1/2% if redeemed April 15, 1984 through October 15, 1988, inc.
- 2 % if redeemed April 15, 1989 through October 15, 1993, inc.
- 1-1/2% if redeemed April 15, 1994 through October 15, 1998, inc.
- 1 % if redeemed April 15, 1999 through October 15, 2003, inc.
- 0 % if redeemed April 15, 2004 or thereafter

If some but less than all of one maturity are to be called, the selection of coupon bonds or portions of fully registered bonds of that maturity to be called shall be chosen by lot conducted by the Trustee under the Trust Agreement. If single multiple maturity fully registered bond or bonds is or are issued for the Series J Bonds, the annual principal payments with respect thereto may be prepaid in the above manner, and, if the Government is the holder, the University may, at its option, prepay from funds available therefor, on any interest payment date, the entire unpaid principal amount of the Series J Bonds or from time to time, in the inverse chronological order of the aforesaid

#### Fifth Supplemental Trust Agreement

installments, a lesser proportion thereof in multiples of \$5,000. Call for redemption shall be made by notice specifying the numbers, and portions of registered bonds, of the Series J Bonds to be called, published by the Trustee on behalf of the University once a week for two consecutive weeks in a financial newspaper of national circulation, published in the English language in New York City and in an English language newspaper of general circulation in Columbus, Ohio, the first publication to be not less than thirty (30) days prior to the date of redemption. Any bonds thus called for redemption and for the retirement of which funds are deposited with said Trustee as provided in the Trust Agreement on or before the redemption date shall cease to bear interest on said redemption date. If the Series J Bonds are all registered, or are issued as a single multiple maturity fully registered bond or bonds, published notice of redemption shall not be required, but notice by registered or certified mail shall be given not less than thirty (30) days prior to the date of redemption to the registered owner or owners at the address(es) appearing on the Bond Registry. Except in the case of redemption of Bonds held by the Government from the Construction Fund as provided in Section 4 of this Resolution, or in a corresponding provision of a resolution authorizing Additional Bonds, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called. A registered bond shall have prepayment provisions consistent with the redemption rights relating to coupon bonds which it replaces.

Subject to the terms of the Loan Agreement, the principal and interest of the Series J Bonds shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, at the principal office of the Trustee under the Trust Agreement (presently, The Ohio National Bank of Columbus, Columbus, Ohio), or, at the option of the holder, at the principal corporate trust office of the United States Trust Company of New York, in the Borough of Manhattan, City and State of New York except that interest on fully

## Fifth Supplemental Trust Agreement

registered bonds is payable by check as provided in the Trust Agreement, and principal on fully Registered Bonds may also be payable at such additional place or places, at the option of the holder as shall be designated by the Fiscal Officer of the University; provided, however, that payment of principal and interest on a single multiple maturity fully registered bond without coupons may at the request of the registered owner be made on each principal and interest payment date by draft or check mailed to such registered owner, or, if the Government is the registered owner, to the Federal Reserve Bank of Richmond, Richmond, Virginia, or to such other place as may be designated by the Government.

The Series J Bonds shall have such other terms and conditions and shall be issued, executed and delivered as provided by the applicable provisions of the Trust Agreement, and of or pursuant to the Loan Agreement.

Section 3. Sale of Series J Bonds. The \$3,000,000 Series J Bonds shall be advertised for sale, awarded and delivered by the President or the Fiscal Officer of the University pursuant to the provisions of the Loan Agreement, and said officers and each of them are authorized to take any and all actions necessary of the Government.

Section 4. Allocation of Proceeds of Series J Bonds. Upon the issuance and delivery of the Series J Bonds, the proceeds from the sale of said Bonds shall be forthwith deposited and applied by the University as follows:

- (1) The portion representing accrued interest to the Debt Service Fund provided for in the Original Trust Agreement to be held by the Trustee, and the portion representing premium above par paid to the University for such Bonds to the Debt Service Reserve Funds.
- (2) To the University, the amounts necessary to reimburse the University for amounts in excess of \$1,000,000 expended by it on costs of construction of the Project prior to issuance of the Series J Bonds. (Said \$1,000,000 consisting of the \$610,000 of the proceeds of the Series I Bonds allocated to the Construction Fund under the Series I Bond Resolution and the \$390,000 of funds otherwise available for such purpose and deposited by the University in the Construction Fund).

## Fifth Supplemental Trust Agreement

(3) The balance to the Series J Construction Fund (hereinbefore and hereinafter called the "Construction Fund") to be held by the Trustee to pay costs of construction of the Project and to pay all incidental expenses of the Project and the financing thereof, including repayment (with interest) of money borrowed by the University for such purposes in accordance with the Loan Agreement.

(4) Any balance remaining in the Construction Fund after payment, or retention of funds sufficient to pay, costs and other amounts provided for in (3) above, shall be promptly applied to the extent possible for the retirement at par plus accrued interest in inverse order of maturity of Series J Bonds, if any, then held by the Government, and any portion not needed for such retirement shall be transferred to the Debt Service Reserve Fund.

No part of the proceeds of Series J Bonds sold to the Government shall be used to pay costs (including cost of movable equipment or fees of a financial advisor) which, under the Loan Agreement or under the rules, regulations or practices of the Department of Housing and Urban Development, may not be paid from proceeds of Bonds purchased by the Government through that agency, and proceeds of Bonds purchased by the Government as aforesaid shall be segregated in the Construction Fund to the extent necessary to effect the foregoing and none of the funds in the Construction Fund shall be applied in any manner contrary to the Loan Agreement.

The Trustee shall apply said Construction Fund to the payment of such items as from time to time are requested in writing by the Fiscal Officer of the University. Such written request shall include a certificate by such official that the amount to be paid from such Construction Fund constitutes authorized payments from said fund under the foregoing provisions of this Section 4. If the payment is to be made with respect to an obligation under a construction contract relating to the Project, such written request shall certify that such payment was certified as due under such contract by a qualified architect or engineer.

To the extent the moneys in the Construction Fund exceed the estimated disbursements needed to pay the costs of the Project for the next ninety (90) days the Construction Fund shall be deposited by the Trustee in banks that are members

## Fifth Supplemental Trust Agreement

of the Federal Deposit Insurance Corporation, or invested by the Trustee in such direct obligations of, or obligations the principal of and interest on which are guaranteed by, the United States which shall not mature later than eighteen (18) months after the date of such investment and which shall be subject to redemption at any time, in either event as shall be directed in writing by the President or the Fiscal Officer of the University, which writing shall designate maturities and amounts which, as nearly as practicable, would, through maturities, provide funds when needed to pay costs for which the fund has been established. Such investments and the proceeds of sale thereof shall constitute part of the fund from which the investment was made. Interest on such investments may be paid to the Dormitory Revenue Fund or applied to the purposes of the fund from which the said investments shall be sold, exchanged or collected from time to time as directed in writing by the President or the Fiscal Officer of the University and the Trustee shall be under no liability in connection with such investment, sale, exchange or collection thereof provided the directions of said officers are followed. No direction shall be made to invest the Construction Fund except as permitted by the Loan Agreement.

Section 5. Additional Bonds. (a) The Board shall have the right from time to time to issue Additional Bonds under the Trust Agreement if necessary to pay the costs of completing the Project or completing any projects for which Additional Bonds are issued. The Trustee shall authenticate and deliver such Bonds upon (but only upon) receipt of the documents required by Section 2.03 of the Trust Agreement. Nothing herein or in the Trust Agreement shall require any earnings coverage, or certificate with respect thereto, in connection with Additional Bonds issued for completion of a project.

(b) The Board shall also have the right from time to time to issue Additional Bonds under the Trust Agreement to provide funds for purposes authorized by Section 3345.07 of the Revised Code of Ohio, including construction and equipment by the

## Fifth Supplemental Trust Agreement

University of buildings to be used as dormitories or as other living quarters or the refunding of outstanding bonds or notes issued under said Section 3345.07. The Trustee shall authenticate and deliver under the Trust Agreement Additional Bonds issued under this subdivision (b) if, (but only if), when such additional Bonds are issued, the University shall have furnished to the Trustee in addition to the documents required by Section 2.03 of the Trust Agreement, a certificate of the President and the Fiscal Officer of the University, approved by the Board of Trustees, (1) showing that (a) the actual net income from the dormitory facilities of the University (excluding net income from any dormitory facility which is to be abandoned or which is not suitable for continuous use as a dormitory facility for the term of such Additional Bonds) for the preceding fiscal year, as adjusted, if necessary, to reflect the schedule of rates and charges to become effective at the beginning of the next semester, quarter or other school period and to give recognition to any anticipated changes in operating costs; plus (b) the estimated annual net income of the dormitory facilities to be financed through the proceeds of the sale of such Additional Bonds will be equal to or greater than one and three-tenths (1.3) times the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest charges on the Bonds then outstanding hereunder and on the Bonds then to be authenticated and delivered; (2) showing that, until the dormitory facility being constructed from the proceeds of the Additional Bonds, is ready for occupancy, funds then available from net income, bond proceeds, gifts, legacies, devises or grants or other sources for payment when due of principal and interest on the Bonds will be at least one and three-tenths (1.3) times the principal and interest requirements for that period; (3) showing that there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing the net income; (4) furnishing such other information in support of the foregoing as may reasonably be requested by the Trustee; (5) showing that the computations of estimates



## Fifth Supplemental Trust Agreement

provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question.

The first call date on Additional Bonds shall not be earlier than the first call date on any issue of Bonds outstanding at the time of issue of such Additional Bonds.

Section 6. Terms of the Bonds Generally. As used in this Resolution, the term "Bonds" refers to the Series A, B, C, D, E, F, G, H, I and J Bonds and all Additional Bonds issued on a parity therewith under the Trust Agreement. The Bonds shall be designated The Ohio State University Dormitory Revenue Bonds, shall be payable in any coin or currency which, on the respective dates of payment, is legal tender for the payment of debts due the United States of America, shall have all the incidents of negotiable instruments under the laws of Ohio, shall express upon their face the purpose for which they are issued, and shall be issued pursuant to Section 3345.07 of the Revised Code of Ohio. Unless otherwise provided by the Board, the Bonds shall be signed by the Chairman of the Board or bear his facsimile signature, shall be signed by the President of the University or bear his facsimile signature, shall be attested by the Secretary of the Board or by the Vice President, Business and Finance of the University, and may be sealed with the seal of the University or a facsimile thereof, and interest coupons attached to the Bonds shall bear the facsimile signature of the Secretary of the Board or of the Vice President, Business and Finance of the University. In case any officer whose signature or a facsimile of whose signature shall appear on any Bonds or coupons shall cease to be such officer before the delivery of such Bonds, such signature or such facsimile shall nevertheless be valid and sufficient for all purposes, the same as if he had remained in office until such delivery. Except in the case of redemption of Bonds of a particular series from the surplus proceeds of that issue as provided in Section 5 of the Original Bond Resolution, no Bonds, of any series may be called unless the same proportion of the

## Fifth Supplemental Trust Agreement

outstanding Bonds of each other series, then callable, are called at the same time. The additional Bonds shall bear such designations as may be necessary to distinguish them from other Bonds having different provisions and shall have maturities, interest rates, interest payment dates, redemption provisions, denominations, registration provisions, and other provisions as provided in the Resolution providing for issuance of the Additional Bonds, provided, however, that such terms and provisions shall not be inconsistent with this Resolution, the Trust Agreement and in the Bonds, the Bonds shall be equally and ratably payable from and secured by pledge of, the receipts from the operation of all dormitory facilities now or hereafter under control of the Board including the dining facilities constituting a part thereof, after provision for reasonable and proper expenses of operation and maintenance of such facilities; and anything in this Resolution, the Bonds or the Trust Agreement to the contrary notwithstanding, neither this Resolution, the Bonds, nor the Trust Agreement shall be a claim against or a lien upon any property of the State of Ohio or any property of or under the control of the Board except the portion of said receipts pledged as provided herein; provided, however, that nothing herein shall be deemed to prohibit the University, of its own volition, from using, or pledging, to the extent it is lawfully authorized to do so, any of its other resources or revenues for the fulfillment of any of the terms, conditions or obligations of the Trust Agreement, this Resolution, or any of the bonds.

Section 7. Covenants of the University. The University covenants with the holders of the Bonds and with the Trustee under the Trust Agreement that (a) it will adopt and maintain so long as any of the Bonds are outstanding such parietal rules, and charge and collect such rental rates and charges, from time to time, as may be necessary to assure such occupancy and use of, and receipts from, the dormitory facilities as will pay the costs of maintenance and operation and provide for the payment of the principal of and interest on the Bonds and other payments to Special

## Fifth Supplemental Trust Agreement

Funds required by Section 8 of this Resolution; (b) from funds lawfully available, it will cause the Project and any project to be constructed from the proceeds of Additional Bonds to be completed and equipped in an efficient and economical manner with reasonable dispatch and in a manner consistent with the plans and recommendations of responsible architects and all applicable laws, ordinances and regulations; (c) subject to the right of abandonment under conditions provided in the Trust Agreement designed to prevent adverse effect of such abandonment on the expected earnings coverage of Debt Service, it will, from the dormitory receipts pledged under this resolution and as part of the operating expenses, maintain, preserve and keep the dormitory facilities in good repair, working order and operating condition and continuously operate the same on a revenue producing basis, and will apply the receipts therefrom only as provided in Section 8 of this Resolution and in the Trust Agreement; (d) it will furnish to the Trustee and the Original Purchasers of the Bonds within 120 days after the close of each fiscal year an annual report of the accounts (including each Special Fund provided for in Section 8 of this Resolution) and operations of the dormitory facilities prepared by qualified accountants approved by the Trustee; (e) it will keep proper books of record and accounts separate from all other records and accounts, in which complete and correct entries will be made of all transactions relating to the dormitory facilities and will at all reasonable times permit the Trustee, the Original Purchasers or any holder or holders of 25% of the outstanding Bonds, or their authorized representatives, to inspect the dormitory facilities and any books, documents and vouchers relating thereto; (f) it will furnish heat, light, power, water and other necessary services to the dormitory facilities at not in excess of reasonable cost; (g) it will comply with all the terms and conditions of the respective Loan Agreements with the Department of Housing and Urban Development as long as the United States holds any of the Series B, D, F, G, H and J Bonds; (h) it will insure the dormitory facilities as required by the Trust Agreement and apply the proceeds of

## Fifth Supplemental Trust Agreement

such insurance as provided therein; and (i) will observe and perform all its agreements and obligations provided for by the Bonds, the Trust Agreement or the Bond Resolution.

Section 8. Application of Receipts; Special Funds. There was established by the Original Bond Resolution a Special Fund designated "Dormitory Revenue Fund," which fund shall be maintained in a bank account, or invested as herein authorized, in the name of the University separate and distinct from all other funds of the University and subject to the withdrawals and uses herein authorized, is pledged to and charged with the payment of the principal, interest, and premium, if any, on all the Bonds issued under the Trust Agreement.

Under the Original Bond Resolution there shall be maintained in the Dormitory Revenue Fund, as an Operating Reserve, such amount as is from time to time certified by the Fiscal Officer of the University as adequate and necessary for working capital for operation and maintenance of the dormitory facilities; provided, that such Operating Reserve shall not exceed one-fourth of the operating and maintenance expenses of the dormitory facilities for the preceding 12 months.

All receipts from dormitory facilities now or hereafter under the control of the Board, including the dining halls constituting part thereof, shall be deposited in the Dormitory Revenue Fund.

The Dormitory Revenue Fund, including the Operating Reserve, shall be applied to pay when due all reasonable and proper expenses of operation and maintenance (as defined in Section 10) of the dormitory facilities, excluding extraordinary repair and replacement expenses payable from the Contingency Repair and Replacement Fund and expenses of or provision for depreciation or capital replacement.

The remainder of the Dormitory Revenue Fund, after retaining therein the then current Operating Reserve and payment of said operation and maintenance expenses then due, shall be applied as provided in the Original Bond Resolution, namely, as follows and in the following order of priority:

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First: Into the Debt Service Fund, to be held by the Trustee as a separate fund and used for the payment of principal and interest on the Bonds, the amounts provided in the Original Bond Resolution and in the Bond Resolutions relating to the Series C, D, E, F, G, H and I Bonds for payment of principal and interest on the Series A, B, C, D, E, F, G, H and I Bonds and, in addition, (1) on or before April 1 and October 1 of each year an amount equal to the interest due and on the next ensuing interest payment date in that year on the Series J Bonds then outstanding; provided, that, the amount so payable on any such date into the Debt Service Fund shall be reduced by the amount then remaining in said Debt Service Fund from the accrued interest and from the funds deposited therein for capitalized interest pursuant to Section 4 of this Resolution; (2) on or before April 1 and October 1 of each year, the equal semi-annual amounts necessary to provide for payment of any principal maturity in that year on the Series J Bonds; (3) if Additional Bonds shall be issued under the Trust Agreement, such additional amounts and at such times as specified in the resolution authorizing such Additional Bonds, which amounts shall be not less than necessary to provide in the Debt Service Fund amounts, in addition to the amounts hereinbefore provided for the Series A, B, C, D, E, F, G, H, I and J Bonds, sufficient to pay in full interest and principal on all Additional Bonds then outstanding, as the same shall become due and payable provided that no payments need be made to the Debt Service Fund so long as the amounts in the Debt Service Fund and Debt Service Reserve Fund aggregate at least the total principal and interest payable on all Bonds then outstanding to the dates of their respective maturities.

Second: Into the Debt Service Reserve Fund, to be held by the Trustee as a separate fund for the payment of principal and interest on, and purchase or redemption of, the Bonds as herein provided, on or before April 1 and October 1 of each year and on such other dates as amounts are payable into the Debt Service Fund with respect to Additional Bonds, such amounts as are necessary to create and

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maintain in said Debt Service Reserve Fund the required reserve, namely, an amount equal to the maximum principal and interest requirements for any consecutive two-year period on all Bonds at the time outstanding;

Third: Into the Contingency Repair and Replacement Fund, to be held by the University as a fund separate and distinct from all other funds of the University, semi-annually on or before April 1 and October 1 of each year, or as soon thereafter as the required reserve has been established in the Debt Service Reserve Fund, an amount equal to one-quarter of one percent of the cost of construction on all dormitory facilities then under the control of the Board and 3 percent of the cost of movable equipment for all such dormitory facilities, which fund may be used by the University to the extent necessary for payment of principal and interest on the Bonds or for extraordinary repairs and replacements to the dormitory facilities or for construction or equipping of additional dormitory facilities;

Fourth: On April 1 and October 1 of each year, to the foregoing funds, such amounts as may be necessary to make up previous deficiency in any deposits required by the foregoing paragraphs of this section;

Fifth: So long as there is no deficiency in any of the deposits provided for in Paragraphs First through Fourth above and so long as the amounts in the Debt Service Reserve Fund are at least equal to the then required reserve, any amounts in the Dormitory Revenue Fund, after reserving therein the then current Operating Reserve, may be used for any purpose of the University for which such funds may lawfully be used.

The Debt Service Fund is irrevocably pledged to and shall be used by the Trustee for the payment of principal and interest on the Bonds and, until required for such purposes, shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing addressed to the Trustee, which writing shall determine that the maturity

## Fifth Supplemental Trust Agreement

of the respective obligations is not later than the date on which such funds will be required for payment of such principal and interest. The Trustee shall transfer from the Debt Service Fund to the Paying Agents amounts sufficient to enable said Paying Agents to pay when due principal and interest on the Bonds, or the Trustee shall make such credit arrangements with said Paying Agents as to permit such payments.

The Debt Service Reserve Fund is irrevocably pledged to, and shall be used by the Trustee for, the payment of principal and interest on the Bonds if other available funds are insufficient for that purpose, and, to the extent herein provided, for purchase or redemption of Bonds. Until required for such purposes it shall be invested by the Trustee in such direct obligations of the United States as the President and the Fiscal Officer of the University shall direct in writing, which obligations shall, subject to the applicable provisions of the Loan Agreement, mature not more than five years from the date of investment. The Trustee shall transfer from the Debt Service Reserve Fund to the Debt Service Fund such amounts as are necessary in addition to amounts available in the Debt Service Fund, including funds transferred from the Contingency Repair and Replacement Fund, to enable said Paying Agents to pay when due the principal and interest on the Bonds.

Any amounts in the Debt Service Reserve Fund in excess of the required reserve provided for in Paragraph Second above shall be used to purchase Bonds for retirement or to redeem Bonds then subject to redemption to the extent and in the manner from time to time requested in writing by the President and the Fiscal Officer of the University. In calculating at any time whether additional amounts are required to be paid into the Debt Service Reserve Fund under Paragraph Second above and in calculating the excess over the required reserve, no value shall be given to any investments of the fund other than direct obligations of the United States maturing within five years from the date of such calculation, but, in all other respects, such investments shall be valued at their face amount or market value, whichever is lower.

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The Contingency Repair and Replacement Fund is irrevocably pledged to, and shall be used by the University for, extraordinary repairs and replacements to the dormitory facilities or to construct or equip additional dormitory facilities or for the retirement of all then outstanding Bonds by purchase or redemption or for payment of the principal and interest by transfer to the Debt Service Fund as herein provided. The University shall transfer from the Contingency Repair and Replacement Fund to the Debt Service Fund such amounts as are from time to time necessary, in addition to the other amounts available in the Debt Service Fund and without use of the Debt Service Reserve Fund, to provide for the payment, when due, of the principal and interest on the Bonds and shall not use any of this fund for repairs or replacement or additional facilities if there is any deficiency in any of the deposits required to be made under subparagraphs First or Second of this Section. Until required for such purposes, the Contingency Repair and Replacement Fund may be invested by the President and the Fiscal Officer of the University in direct obligations of the United States maturing not more than five years from the date of investment subject, however, to the applicable provisions of the Loan Agreement.

Investments made pursuant to this Section 8 of any amounts in any Special Fund herein created and the interest thereon and the proceeds thereof shall constitute part of that Special Fund and be added to that particular fund. Such investments shall be sold, exchanged or collected from time to time as directed by the President and the Fiscal Officer of the University, and the Trustee shall be under no liability and have no responsibility in connection with such investment, or the sale, exchange or collection thereof, provided the directions of said officers are followed.

Section 9. Trust Agreement. In order to secure the payment of the principal and interest on the Bonds, the President of the University and the Chairman



## Fifth Supplemental Trust Agreement

of the Board of Trustees, and each of them, are authorized to execute, acknowledge and deliver as may be appropriate the Fifth Supplemental Trust Agreement in substantially the form attached hereto, and the Secretary of the Board of Trustees is authorized to seal and attest the same, with such changes not unfavorable to the University as the Officers acting shall deem advisable and as shall be approved by the Original Purchasers of the Series J Bonds. The terms and provisions of the Trust Agreement are hereby confirmed and adopted and the terms of said Trust Agreement purporting to be applicable to the Series A, B, C, D, E, F, G, H and I Bonds or to the Projects to be constructed from the proceeds of such Series of Bonds shall be deemed equally applicable to the Series J Bonds and the Project covered by this Resolution to the extent that the same are not inconsistent with the terms or provisions of this Resolution and the context so permits.

Section 10. Definitions. Where the context permits, the following terms as used in this Resolution or in the Trust Agreement shall have the following meanings: (1) "the Fiscal Officer" shall mean the Vice President, Business and Finance, of the University or any official or employee performing the duties of such officer for the time being. The Comptroller, or the Assistant Vice President - Assistant Treasurer, or any official or employee performing the duties of such officers for the time being, shall also be "a Fiscal Officer" when the context so permits. (2) "Additional Bonds" shall mean Bonds issued pursuant to the Trust Agreement in addition to and on a parity with the Series A, B, C, D, E, F, G, H, I and J Bonds and "Bonds" shall mean both the Series A, B, C, D, E, F, G, H, I and J Bonds and Additional Bonds; (3) "Agreement" or "Trust Agreement" shall refer to the Trust Agreement dated as of April 15, 1957 as from time to time supplemented pursuant to its terms; (4) "Dormitory Facilities" shall mean buildings, groups of buildings or parts of or additions to buildings, including the sites therefor, now or hereafter constructed, acquired by or under the control of the Board and authorized to be constructed,

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equipped, maintained and operated by Section 3345.07 of the Revised Code of Ohio, including the dormitories, additions to dormitories, dining facilities, and married student housing facilities or projects and all separate or connected buildings, sites, equipment, structures and utilities to be used in connection with the maintenance or operation of, or in any way supplementing or related to the services or facilities to be provided by such buildings located on or in close proximity to the campus;

(5) "Net Income" shall mean all receipts of the operation of dormitory facilities after deducting therefrom the reasonable and proper operating and maintenance expenses thereof; (6) "Reasonable and Proper Operating and Maintenance Expenses" shall mean ordinary and usual reasonable expenditures necessary to the operation, repair and maintenance of the dormitory facilities including, without limiting the generality of the foregoing, taxes, fees and expenses of the Trustee and paying agents and any expenses required to be paid by the Bond Resolution or the Trust Agreement, but excluding provision or expenditure for depreciation or capital replacement or expenditures for administration or regulation of the occupants of the dormitory facilities which expenditures do not constitute costs of the type included as costs of operation of the dormitory facilities under the present accounting practice of the University or expenditures for extraordinary repairs or replacements or payments to the Debt Service Fund, Debt Service Reserve Fund or Contingency Repair and Replacement Fund; (7) "Trustee" refers to the Trustee under the Trust Agreement, presently The Ohio National Bank of Columbus; (8) any reference to an officer of the University or of the Board in this Resolution shall refer to the person holding such office or, in the event of resignation, absence, incapacity or vacancy in such office, then the person performing the duties of such office; any reference to Section 3345.07 of the Revised Code of Ohio shall, where the context permits, mean said section as it now exists and as it is from time to time amended, supplemented or affected by later legislation.

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Section 11. General. The appropriate officers of the University and the Board, the architects and engineers employed by the University, and the Trustee designated in the Trust Agreement are authorized and directed to do all things necessary or proper to carry out the terms and provisions of this Resolution, the Trust Agreement and the sale referred to in Section 3 above and the Loan Agreement referred to in said Section, and to effect the execution, sale and delivery of said Series J Bonds in accordance therewith if approved by the President and Fiscal Officer of the University. It may be required as part of the terms of sale of the Series J Bonds that prior to or at the time of delivery of the Series J Bonds there shall have been executed and delivered contracts for construction of the principal portions of the Project and provisions shall have been made for obtaining sufficient amounts to pay all costs of the Project as estimated by the Project architect. The obligations imposed upon the University under this Resolution or the Trust Agreement are established as duties specifically enjoined upon the University, the Board and the officials of the University by law and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio.

WHEREAS, the text of the Series J Bonds and the coupons, if any, to be attached thereto and the authentication certificate of the Trustee to be endorsed thereon are to be substantially as follows:

[Form of Coupon Bond]

The form of Coupon Bond shall be identical with the form of Coupon Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate and corresponding coupon form in said Coupon Bond the following paragraphs and coupon form:

\*\*\*\*\*

This Bond is a Series J Bond and is one of a duly authorized issue of \$3,000,000 Dormitory Revenue Bonds of the University,

## Fifth Supplemental Trust Agreement

issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the Resolutions of the Board of Trustees of April 8, 1957 and July 31, 1969 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third, Fourth and Fifth Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1969, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: three percent (3%) if redeemed 1979 to 1983, inclusive; two and one-half percent (2-1/2%) if redeemed 1984 to 1988, inclusive; two percent (2%) if redeemed 1989 to 1993, inclusive; one and one-half percent (1-1/2%) if redeemed 1994 to 1998, inclusive; and one percent (1%) if redeemed 1999 to 2003, inclusive; and zero percent (0%) if redeemed 2004 and thereafter. If less than all the Bonds (or parts of Registered Bonds) of one maturity and of one series are to be called, the Coupon Bonds or portions of fully Registered Bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

\*\*\*\*\*

The Series A, B, C, D, E, F, G, H, I, and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

\*\*\*\*\*

The Bonds are issuable as coupon bonds, registrable as to principal, in the denomination of \$5,000, and as registered bonds without coupons in denominations of \$5,000 and any multiple thereof. Registered Bonds without coupons may be exchanged for coupon Bonds or for other registered Bonds

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without coupons, and coupon Bonds may be exchanged for registered Bonds without coupons, all on the terms and under the conditions and upon payment of the charges, if any, and with the effect provided in the Agreement.

\*\*\*\*\*

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the facsimile signatures of the Chairman of the Board of Trustees and of the President of the University and to be attested by the Vice President, Business and Finance, of the University and to bear a facsimile of the seal of the University and the interest coupons attached hereto to bear the facsimile signature of the Secretary of the Board of Trustees, all as of April 15, 1968.

\*\*\*\*\*

[Form of Trustee's Authentication Certificate]

TRUSTEE'S CERTIFICATE

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fifth Supplemental Trust Agreement dated as of April 15, 1968.

The Ohio National Bank of Columbus,  
Trustee

By \_\_\_\_\_  
Authorized Officer

\*\*\*\*\*

[Form of Coupon Bond]

On the \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_, unless the bond to which this coupon is attached has been called for previous redemption, The Ohio State University and its Board of Trustees, as such Trustees and not individually, will pay to bearer, but only from the sources and in the manner provided in the Trust Agreement dated April 15, 1967, and supplement thereto dated April 15, 1968, between the said University and said Board and The Ohio National Bank of Columbus, as Trustee, and not from the general or ordinary funds of the State of Ohio or said Board or University, on the surrender of this coupon at the principal office of The Ohio National Bank of Columbus, Columbus, Ohio, or, at the option of the holder, at the principal corporate trust office of The United States Trust Company of New York, in the Borough of Manhattan, city and State of New York  
DOLLARS (\$) ) in lawful money of the United States of

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America, being interest then due on The Ohio State University  
Dormitory Revenue Bond, Series J dated April 15, 1968.

[Facsimile Signature]  
Secretary of  
The Board of Trustees

Bond No. \_\_\_\_\_  
Coupon No. \_\_\_\_\_

[Form of Fully Registered Bond of Single Maturity]

The form of Registered Bonds without coupons of single maturity shall be identical with the form of Registered Bond set forth in the Trust Agreement dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate in said Registered Bond the following paragraphs:

\* \* \* \* \*

This Bond is a Series J Bond and is one of a duly authorized issue of \$3,000,000 of Dormitory Revenue Bonds of the University, issued and to be issued from time to time, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board of Trustees of April 8, 1957 and July 31, 1969 (herein collectively called the "Bond Resolution") for the purpose of paying the costs of constructing and equipping certain dormitory facilities and secured by Trust Agreement dated as of April 15, 1957 and First, Second, Third, Fourth and Fifth Supplemental Trust Agreements between the University and the above-named Trustee (herein collectively called the "Agreement").

The University hereby reserves the right to call and redeem the Bonds of this series prior to maturity as a whole, or in part, in inverse order of maturity, on any interest payment date on or after April 15, 1979, upon terms of par and accrued interest to the redemption date plus redemption premiums as follows: three percent (3%) if redeemed 1979 to 1983, inclusive; two and one-half percent (2-1/2%) if redeemed 1984 to 1988, inclusive; two percent (2%) if redeemed 1989 to 1993, inclusive; one and one-half percent (1-1/2%) if redeemed 1994 to 1998, inclusive; and one percent (1%) if redeemed 1999 to 2003, inclusive; and zero percent (0%) if redeemed 2004 and thereafter. If less than all the Bonds (or parts of registered Bonds) of one maturity and of one series are to be called, the coupon bonds or portions of fully registered bonds of such series and of that maturity to be called shall be chosen by lot by said Trustee. Except in the case of redemption of a particular series of bonds from surplus proceeds of that issue as

Fifth Supplemental Trust Agreement

provided in the Bond Resolution, no Bonds of any series may be called unless the same proportion of the outstanding Bonds of each other series, then callable, are called at the same time.

\*\*\*\*\*

The Series A, B, C, D, E, F, G, H, I, and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees as defined in the Agreement after provision only for reasonable operating and maintenance expenses thereof.

\*\*\*\*\*

The Bonds are issuable as coupon bonds, registrable as to principal, in the denomination of \$5,000, and as registered bonds without coupons in denominations of \$5,000 and any multiple thereof. Registered Bonds without coupons may be exchanged for coupon Bonds or for other registered Bonds without coupons, and coupon Bonds may be exchanged for registered Bonds without coupons, all on the terms and under the conditions and upon payment of the charges, if any; and with the effect provided in the Agreement.

\*\*\*\*\*

[Form of Trustee's Authentication Certificate]

TRUSTEE'S CERTIFICATE

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by Fifth Supplemental Trust Agreement dated as of April 15, 1968.

THE OHIO NATIONAL BANK OF COLUMBUS,  
Trustee

By \_\_\_\_\_  
Authorized Officer

\*\*\*\*\*

[Form of Single Fully Registered Bond Covering  
More Than One Maturity]

The form of Single Fully Registered Bond without coupons covering more than one maturity for Series J Bonds shall be substantially as set forth in First Supplement to Trust Agree-

## Fifth Supplemental Trust Agreement

ment dated as of April 15, 1957 except that there shall be substituted in such form in lieu of the corresponding paragraphs and Trustee's Certificate the following paragraphs and the terms of the bonds relating to denomination and alternate paying agent, the installment payments and redemption provisions shall correspond to the denominations, alternate paying agent, maturities and redemption provisions provided in the Bond Resolution for the Series J coupon Bonds which that single fully registered bond replaces.

\*\*\*\*\*

This Bond, designated Dormitory Revenue Bond, Series J (herein referred to as the Bond), is issued in lieu of an issue of a like principal amount of serial coupon bonds of similar designation maturing in the amounts and on the dates of the above installments, bearing interest at the same rate and each in the denomination of \$5,000, and with the above coupon bonds, is authorized to be issued, pursuant to Section 3345.07 of the Revised Code of Ohio and the resolutions of the Board adopted April 8, 1957 and July 31, 1969 (herein collectively called the bond Resolution) and the Supplemental Trust Agreement described below, for the purpose of paying the costs of constructing and equipping certain dormitory facilities and repaying advances made for that purpose and is secured by Trust Agreement dated as of April 15, 1957, as supplemented by the First, Second, Third, Fourth and Fifth Supplements between the University and The Ohio National Bank of Columbus as Trustee (herein called the Trust Agreement). This Bond is exchangeable at the sole expense of the University at any time, upon 90 days' notice, at the request of the registered owner hereof and upon surrender of this Bond at the office of the Trustee, together with an assignment and instructions duly executed by the registered owner in such form as shall be satisfactory to the Trustee, for Coupon Bonds authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond, with coupons attached representing all unpaid interest due or to become due thereon, or for single maturity registered bonds without coupons authorized by the Trust Agreement bearing interest payable on the same dates and at the same rate and maturing in the same amounts and on the same dates as the then unpaid installments of this Bond.

\*\*\*\*\*

In addition to the installments of principal required to be paid by the Board as hereinabove set forth, the Board, at its option, shall have the right to prepay from time to time, or at one time, in whole or in part, on any interest payment date on or after \_\_\_\_\_ in inverse chronological order of the aforesaid installments the entire then unpaid principal amount hereof, or such lesser portion thereof in multiples of \$5,000 as the Board may determine at the principal amount of such pre-



## Fifth Supplemental Trust Agreement

payment plus the following premiums (expressed in terms of percentage of amount of such prepayment) plus accrued interest to the date of prepayment; provided, however, that so long as the registered owner hereof shall be the Payee, (1) the Board may, at its option, prepay from surplus proceeds of the sale of this Bond as provided in the Bond Resolution on any interest payment date the entire then unpaid principal amount hereof or from time to time in the inverse chronological order of the aforesaid installments, a lesser portion thereof in multiples of \$5,000 and (2) the prepayments authorized herein may be made at the times provided without premium. Except in the case of prepayment from surplus proceeds from the sale of this Bond as provided in the Bond Resolution, no Bonds of any series may be called or prepayments made pursuant hereto unless the same proportion of the total principal amount of then outstanding bonds of each other series, then callable, are called at the same time.

Notice of any such intended prepayment shall be published by the Trustee on behalf of the University at least once a week for two consecutive weeks, the first publication to be not less than thirty (30) days prior to said redemption date, in a financial newspaper of national circulation published in the English language in the City of New York, New York, and in an English language newspaper of general circulation in the City of Columbus, Ohio. Interest upon the amount of principal as to which notice of prepayment has been given shall cease upon the prepayment date if funds have been deposited with the Trustee on or before such prepayment date in an amount sufficient to make such prepayment.

\*\*\*\*\*

The Series A, B, C, D, E, F, G, H, I and J Bonds, together with such Additional Bonds as may be issued on a parity therewith under said Agreement, are, and are to be, secured only, but equally and ratably without priority one over another by reason of number or of date of Bond, sale, execution or delivery, by the Trust Agreement, creating a prior pledge of the receipts of all dormitory facilities now or hereafter under the control of the Board of Trustees after provision only for reasonable operating and maintenance expenses thereof.

\*\*\*\*\*

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this Bond to be signed by the Chairman of the Board of Trustees and

Fifth Supplemental Trust Agreement

by the President of the University, and to be attested by the Secretary of the Board of Trustees and to bear a facsimile of the seal of the University, all as of April 15, 1968.

THE OHIO STATE UNIVERSITY  
and  
THE BOARD OF TRUSTEES OF  
THE OHIO STATE UNIVERSITY

Attest: By \_\_\_\_\_  
Chairman of the Board of Trustees  
of and by The Ohio State University

\_\_\_\_\_  
Secretary of the Board of  
Trustees President of The Ohio State  
University

[Form of Trustee's Authentication Certificate]

Trustee's Certificate

This Bond is one of the Bonds described in the within mentioned Trust Agreement as supplemented by First, Second and Fifth Supplements.

THE OHIO NATIONAL BANK OF COLUMBUS,  
Trustee

By \_\_\_\_\_  
Authorized Officer

NOW, THEREFORE, THIS SUPPLEMENTAL TRUST AGREEMENT, WITNESSETH that in order to secure the payment of the principal of and interest on the Bonds according to their true intent and meaning, and to secure the performance and observance of all covenants and conditions therein and herein, and the Bond Resolution and in the Trust Agreement contained, and for and in consideration of the premises and of the purchase and acceptance of the Bonds by the holders thereof from time to time, and the acceptance by the Trustee of the further trusts hereby created, and for other good and valuable considerations the receipt of which is hereby acknowledged, the University has executed and delivered this Fifth Supplemental Agreement.

IN TRUST, NEVERTHELESS, upon the terms and trusts in the Trust Agreement and in this Supplement set forth for the equal and proportionate benefit and

## Fifth Supplemental Trust Agreement

security of all present and future holders of the Bonds and appurtenant coupons issued or to be issued under and secured by the said agreements, without preference, priority or distinction, as to lien or otherwise, of any one bond or coupon over any other by reason of priority in the time of the issue or negotiation thereof or otherwise, except as may be otherwise expressly provided in said Trust Agreement.

AND IT IS HEREBY CONVENANTED AND DECLARED by the University with the Trustee and its successors in the trust under the Trust Agreement for the benefit of those who shall hold such Bonds and appurtenant coupons at any time issued and outstanding under the Trust Agreement as follows:

Section 1. Incorporation of Bond Resolution. The Series J Bond Resolution is hereby made a part of this Supplement and of the Trust Agreement.

Section 2. Form, Execution and Delivery of Series J Bonds. The Series J Bonds shall be executed, authenticated and delivered as provided herein, and said Series J Bonds, the coupons to be attached thereto, and the certificate of authentication of the Trustee to be endorsed thereon shall be substantially in the form provided in the preambles hereto with any necessary modifications to conform hereto and to any Requirements of the Department of Housing and Urban Development of the United States of America if the United States purchases any of said Series F Bonds.

Section 3. Proceeds of Sale. The proceeds from the sale of the Series J Bonds shall be applied as provided in the Bond Resolution.

Section 4. Concerning the Trustee. The Trustee hereby accepts the trusts hereby declared and provided and agrees to perform the same upon the terms and conditions in the Trust Agreement and in this or any other Supplement set forth.

The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplement or the due execution thereof by the University, nor for or in respect of the recitals herein contained, all of which recitals are made by the University solely. In general, each and every term and

Fifth Supplemental Trust Agreement

condition contained in the Original Trust Agreement shall apply to this Supplement, with such omissions, variations and modifications thereof as may be appropriate to make the same conform to this Supplement.

IN WITNESS WHEREOF, the Board of Trustees has caused this Fifth Supplemental Trust Agreement to be executed and its seal to be hereto affixed and The Ohio National Bank of Columbus, Columbus, Ohio, as Trustee, in token of its acceptance of the trusts created hereunder, has caused its seal to be hereto affixed all as of the day and year first above written.

[SEAL]

The Ohio State University  
and  
The Board of and Trustees of  
The Ohio State University

Attest:

By \_\_\_\_\_  
President

\_\_\_\_\_  
Secretary

And By \_\_\_\_\_  
Chairman of the Board

[SEAL]

The Ohio National Bank of Columbus,  
Trustee

Attest:

By \_\_\_\_\_  
Vice President

\_\_\_\_\_  
Trust Officer

Fifth Supplemental Trust Agreement

STATE OF OHIO                    )  
                                      ) SS:  
COUNTY OF FRANKLIN)

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me a Notary Public in and for said County and State personally appeared \_\_\_\_\_ and \_\_\_\_\_, the President and the Chairman of the Board, respectively, of The Ohio State University, and acknowledged the execution of the foregoing instrument, and that the same is their voluntary act and deed on behalf of said University and its Board of Trustees and the voluntary act and deed of said University and Board of Trustees.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

[SEAL]

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

STATE OF OHIO                    )  
                                      ) SS:  
COUNTY OF FRANKLIN)

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me a Notary Public in and for said County and State personally appeared \_\_\_\_\_ and \_\_\_\_\_, the Vice President and Trust Officer, respectively, of The Ohio National Bank of Columbus, the bank which executed the foregoing instrument as Trustee, who acknowledged that the seal affixed to said instrument is the seal of said bank, that they did sign said instrument as such officers, respectively, for and on behalf of said bank and by authority granted in its rules and regulations and by its Board of Directors; that the same is their free act and deed as such officers, respectively, and the free act and deed of said The Ohio National Bank of Columbus.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal on the day and year aforesaid.

[SEAL]

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_



SUPPLEMENT B

THE OHIO STATE UNIVERSITY

Certificate of Earnings Coverage Under Section  
6(b) of the Original Bond Resolution Adopted  
April 8, 1957, for Issuance of \$3,000,000  
Dormitory Revenue Bonds, Series J

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THE OHIO STATE UNIVERSITY

Certificate of Earnings Coverage Under Section  
6(b) of the Original Bond Resolution Adopted  
April 8, 1957, for Issuance of \$3,000,000  
Dormitory Revenue Bonds, Series J

The undersigned respectively, the President and the Fiscal Officer of The Ohio State University (the latter being also the Vice President, Business and Finance of the University) pursuant to Section 6(b) of the Original Bond Resolution adopted April 8, 1957, certify as follows in connection with the issuance of \$3,000,000 Dormitory Revenue Bonds, Series J:

1. That the actual net income from existing dormitory facilities (other than those referred to in 2 below) for the fiscal year ended June 30, 1969, adjusted pursuant to said Section 6(b), is: \$2,636,105  
(Note 1)
2. That the estimated annual net income from dormitory facilities to be financed through issuance of the Series J Bonds consisting of Jones Tower is: (Note 2) 279,806
- Total of Items 1 and 2 above is: \$2,915,911
3. That the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest charges on the Series A, B, C, D, E, F, G, H, I and J Bonds is: (Note 3) \$1,980,766
4. That the ratio of total of such net income to such maximum annual principal and interest requirements on Series A, B, C, D, E, F, G, H, I and J Bonds is: 1.47211
5. That there was not included in such net incomes net income from any dormitory facility which is to be abandoned or which is not suitable for continuous use as a dormitory facility for the term of the Series J Bonds, nor any receipts against which there is any prior claim other than the use thereof for the operating expenses of the dormitory facilities.

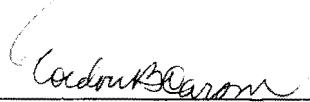
Note 1      The term dormitory facilities as herein used shall mean dormitory facilities as that term is defined in the Trust Agreement with The Ohio National Bank of Columbus, dated as of April 15, 1957, as supplemented by First through Fourth Supplemental Trust Agreements. The actual net income for the year ended June 30, 1969, is adjusted to reflect the latest schedule of rates and charges approved by the Board of Trustees

Certificate of Earnings Coverage (continued)

on July 31, 1969, and to become effective at the beginning of the Autumn Quarter of the academic year 1969-70; and gives recognition to changes in operating costs of the dormitory facilities, resulting from the review and recomputation of the basis of allocating costs of heat, light, power and water to all auxiliary facilities, including dormitory facilities, by direction of the Board of Trustees pursuant to which the revised reasonable changes therefor to the dormitory facilities are reduced by an estimated \$200,000.

- Note 2      Estimated net income is computed in accordance with the Trust Agreement on the basis of 95% occupancy and estimated expenses are consistent with those experienced in similar existing facilities. It is certified that Jones Tower will be in operation and revenue producing by September, 1969.
- Note 3      Series J Bonds are computed at 3%. Series A through I Bonds are computed on basis of actual interest rates for those bonds.

  
\_\_\_\_\_  
Norice M. Lawrence  
President  
The Ohio State University

  
\_\_\_\_\_  
Gordon Beaton  
Vice President, Business  
and Finance  
The Ohio State University

Dated: July 31, 1969

SUPPLEMENT C

THE OHIO STATE UNIVERSITY

Certificate Pursuant to Section 2.03(4) of Trust Agreement  
Between the University and the Ohio National Bank of  
Columbus, as Trustee, Dated April 15, 1957 for Issuance  
of \$3,000,000 Dormitory Revenue Bonds, Series J

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THE OHIO STATE UNIVERSITY

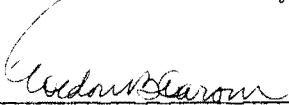
Certificate Pursuant to Section 2.03 (4) of Trust Agreement  
Between the University and The Ohio National Bank of Columbus,  
as Trustee, Dated April 15, 1957 for Issuance of \$3,000,000  
Dormitory Revenue Bonds, Series J

The undersigned respectively, the President and the Vice President, Business and Finance of The Ohio State University, pursuant to Section 2.03 (4) of the Trust Agreement between the University and The Ohio National Bank of Columbus, as Trustee, dated April 15, 1957, certify as follows in connection with the issuance of \$3,000,000 Dormitory Revenue Bonds, Series J:

- (a) That they know of no existing facts which would be an event of default under the Trust Agreement and that they know of no facts which, on granting of the application for the authentication of the Series J Bonds, would result in the University being in default in the performance of any of the terms or covenants of the Trust Agreement;
- (b) That, in the opinion of the signer thereof, all conditions provided in the Trust Agreement precedent to the granting of said application have been complied with;
- (c) That, since the beginning of the current fiscal year, there has been no material change which would adversely effect the estimates in the Earnings Certificate referred to in Section 6 (b) of the Original Bond Resolution relating to the Series J Bonds; and
- (d) That the proceeds of the Series J Bonds will be sufficient to, and are necessary to, complete the project for which they are issued.

The undersigned further certify that the Vice President, Business and Finance, is the chief financial officer of the University.

  
\_\_\_\_\_  
President  
The Ohio State University

  
\_\_\_\_\_  
Vice President, Business  
and Finance  
The Ohio State University

Dated: July 31, 1969

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## APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

August 29, 1969

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## The Recipients of Honors

### JOHN B. FULLEN

The Ohio State University  
Distinguished Service Award

*Nationally recognized alumnus; loyal and respected  
servant of The Ohio State University*

For nearly forty years, this dedicated alumnus served his fellow alumni and his university as an able and articulate leader in all aspects involving the Association and the Development Fund. Upon his retirement, he was saluted as one of the most resourceful and astute personalities in this field so meaningful to higher education.

John B. Fullen received a Bachelor of Science degree in journalism from this university in 1925, and his interest in communications was manifested throughout his career.

In the archives of his profession, the emergence of the two-way communication between the campus and the alumni owes much to his courage and eloquence.

In 1928, he was selected as alumni secretary at the University. As alumni secretary (title later changed to Director of Alumni Affairs), he served as editor of The Ohio State University *Monthly* and executive director of The Ohio State University Development Fund from its inception in 1939.

To each of these important assignments, he gave distinction and gained national recognition from the American Alumni Council.

From all whose lives have become intertwined with the purposes and traditions of this university, John B. Fullen commands high admiration and deep gratitude.

### JAMES R. HULL, JR.

The Ohio State University  
Distinguished Service Award

*An outstanding and productive force in alumni affairs;  
respected and influential community servant*

The recipient of a degree in dentistry from this university in 1943, James R. Hull has given selfless service in behalf of his alma mater and his community. He has thereby won a unique and enduring place in the hearts of all those who love the University.

He brought a quality of leadership and boundless energy to Ohio State, where he was captain of the highly successful basketball team of 1939, which won the Big Ten Championship. That same intangible quality has underwritten his alumni service to his alma mater, as well as his role of dedicated citizenship.

In addition to service as an alumni representative to the Athletic Council, he served as a director of The Ohio State University Association. He served as reunion chairman for the Silver Anniversary of the Class of 1939. Through the years, he has made hundreds of speeches on behalf of the University, always stressing a sense of moral purpose and fundamental values of good citizenship.

Perhaps the best testimonial to his dedication and his ability is the one inscribed on a granite marker beneath a Buckeye tree in Ohio State's "All-American Arbor" near the Stadium:

*James R. Hull  
For Services Beyond Anything Asked of Him*

THOMAS B. MEEK, SR.  
The Ohio State University  
Distinguished Service Award

*Organizer, fund-raiser, friend of the University, and effective alumni leader*

Thomas B. Meek, Sr., has made lasting contributions to The Ohio State University as a dedicated supporter of alumni affairs and as an able leader in fund-raising. His loyalty, hard work, and enlightened counsel have given notable service to the endeavors of this university.

Mr. Meek received the Bachelor of Science degree in journalism from this university in 1920. Over the years, despite the growing responsibilities of his business career, he has served his alma mater in a variety of ways.

His alumni activities have included the executive secretaryship of the Ohio Stadium committee, presidency of the New York Alumni Club, and campaign chairmanship of the Development Fund in New York. He has also served as the chairman of the national Development Fund Board of Directors, as well as the Journalism Committee of the Alumni Advisory Board.

As secretary of the Class of 1920, he is now working on the Centennial Reunion to be held in March, 1970. He continues to be a leading supporter of the James Thurber Collection in the University Libraries.

Thomas B. Meek, Sr., has been a devoted alumnus and an involved participant who has invested unselfishly of himself on behalf of this university.

DELBERT OBERTEUFFER  
The Ohio State University  
Distinguished Service Award

*Devoted teacher, humanitarian, perceptive administrator in matters of University policy*

Delbert Oberteuffer served with distinction from 1932 to 1966 as a member of the faculty of the Department of Physical Education. For twenty-four years as its chairman, education of the whole man was his theme. His personal drive was the generative force that elevated four education programs to the ranks of the best in the nation. These embraced curricula in freshman physical education and health education, teacher education for professional students in physical and health education, and graduate education in both fields.

As a University professor, he wore the academic robes with dignity and pride, stirred youth, stimulated scholars, prodded council members, encouraged the administration, and held high the central task of the University.

His achievements brought national fame to the University when three national organizations elected him president, four presented him their distinguished service award, and three universities gave him honorary degrees.

Delbert Oberteuffer has been a devoted leader, a respected counselor, a productive participant in University affairs, an author, and an educator who gave unselfishly of himself in order that the University might fulfill its most important mission.

DOROTHY D. SCOTT  
The Ohio State University  
Distinguished Service Award

*Revered teacher, administrator, nationally known and  
valued leader in home economics*

Dorothy D. Scott served the School of Home Economics at The Ohio State University thirty-one years, the last thirteen as Director of the School and the last ten also as Associate Dean of the College of Agriculture and Home Economics. Under her administration, the School grew and progressed. She inspired colleagues and students by her professional standards of excellence, her spirit of service, and her concern for people.

Dr. Scott received the B.S. and M.S. from Ohio State, and the M.A. and Ed.D. from Columbia. In her early years as a faculty member, she played an important part in developing the student guidance program for the School of Home Economics. She served also as professor and chairman of home economics education and made significant contributions to teacher education and research.

Through her nation-wide leadership in academic circles and professional organizations, Dr. Scott brought honor to herself and to her alma mater. She served the University effectively in many roles, including membership on the Advisory Committee on the Selection of the President, Faculty Advisory Committee to the President and Board of Trustees, and the University Honorary Degrees Committee. In every dimension, the career of Dorothy D. Scott has been one of dedication and distinction.

## Graduate School

Dean: Richard Armitage, Ph.D.

### Doctor of Philosophy

Two hundred and twenty-one candidates

Joseph Anthony Abruscato, Lakewood, N. J.

B.A., M.A. (Trenton State College)

*Dissertation:* The Student Communication Analysis (SCAN) System: Its Development and Preliminary Utilization

*Field of Specialization:* Education

John Thomas Adolph, Mogadore

B.A. (University of Akron) ; M.Ed. (Ohio University)

*Dissertation:* The Effects of Ethyl Alcohol on Physical Performance

*Field of Specialization:* Physical Education

Wolfgang Peter Ahrens, Toronto, Ont., Canada

B.A. (University of Toronto) ; M.A.

*Dissertation:* Johann Michael Moscherosch's *Genichte*: A Study of Structural Devices

*Field of Specialization:* German

Ester Laigo Albano, Dingras, Ilocos Norte, Philippines

B.Sc. (University of the Philippines)

*Dissertation:* Synthetic Transformations of a 2,3-Unsaturated Sugar Leading to Novel Sugars

*Field of Specialization:* Chemistry

Mihsin O. Al-Nassrawi, Baghdad, Iraq

B.A. (University of Baghdad) ; M.A. (University of Wisconsin)

*Dissertation:* An Analysis of Concepts and Techniques Basic to a Proposed Experimental Program of Adult Rural Education in Iraq

*Field of Specialization:* Education

\*Carl Richard Ashbaugh, Miamisburg

B.S.Ed. (Ohio University) ; M.Ed. (Miami University)

*Dissertation:* Strategies for Building Constituent Support: A Comparison of School System and Municipal Government Efforts to Acquire Increased Operating Revenue

*Field of Specialization:* Education

Elizabeth Carolyn Ater, Frankfurt

B.S. in H.E., M.S.

*Dissertation:* Interaction of Family Relationship Qualities and Managerial Components in Selected Family Situations

*Field of Specialization:* Home Economics

David Hugh Ayers, Columbus

B.A., M.A.

*Dissertation:* The Apprenticeship of Robert Anderson

*Field of Specialization:* Theatre

Lena Charles Bailey, Columbus

B.S. (Morehead State College) ; M.S. in Ed. (University of Kentucky)

*Dissertation:* The Feasibility of Using Videotape Recordings as a Substitute for Direct Observation in a Home Economics Methods Course

*Field of Specialization:* Education

\* Degree granted in cooperation with Miami University

E. Kent Barefield, Gracey, Ky.

B.S. (Western Kentucky University)

*Dissertation:* Nickel(II) Complexes of Linear and Cyclic Tetramines

*Field of Specialization:* Chemistry

Russell M. Barefield, San Antonio, Tex.

B.B.A. (University of Texas) ; M.Acc.

*Dissertation:* The Effect of Method of Forecast Revision on Forecast Validity: A Laboratory Study

*Field of Specialization:* Accounting

William Robert Barnard, Bozeman, Mont.

B.S., M.S. (Montana State University)

*Dissertation:* Communication Design: The Nature and Use of a Communication Model in Chemical Education

*Field of Specialization:* Education

Stephen Jonathan Bass, Cincinnati

B.B.A., M.B.A. (University of Cincinnati)

*Dissertation:* A Theory of Institutional Change in Retailing

*Field of Specialization:* Business Organization

Reuben Hays Bell, Lamartine, Pa.

B.S. (Grove City College) ; M.S.

*Dissertation:* Synthesis with Thio Sugars: Formation and Decomposition of Acetylated Glycosylsulfenyl Bromides

*Field of Specialization:* Chemistry

James Gordon Bennett, Jr., Winter Haven, Fla.

B.S., M.B.A. (Syracuse University)

*Dissertation:* Disadvantaged and Non-Disadvantaged Urban High School Students Perceptions of Work within General Merchandise Retail Department Stores

*Field of Specialization:* Education

Robert Louis Beran, Euclid

B.S. in Edu., M.A.

*Dissertation:* The Cytoarchitecture of the Pontine and Medullary Reticular Formation of the Opossum (*Didelphis virginiana*)

*Field of Specialization:* Anatomy

George Emery Biles, Worthington

B.S. (United States Naval Academy) ; A.M. (George Washington University)

*Dissertation:* Attitudinal Patterns of Unionized Public Employees: An Empirical Study

*Field of Specialization:* Business Organization

Thomas Joseph Birch, Wheeling, W. Va.

B.S. (Marietta College) ; M.S.

*Dissertation:* Sources of Pollution in the Drainage Basin Contributing to the Eutrophication of Hoover Reservoir, a Water-Supply Impoundment for the City of Columbus, Ohio

*Field of Specialization:* Zoology and Entomology

Douglas D. Bishop, Sterling, Colo.

B.S. in Agr., M.E. (Colorado State College)

*Dissertation:* Effectiveness of Prior Exposure to Performance Objectives as a Technique for Improvement of Student Recall and Retention

*Field of Specialization:* Agricultural Education

- Maryann Baird Blum, Columbus  
A.B. (Colorado State College); M.S. (Educ.) (Texas Agricultural and Mechanical University)  
*Dissertation:* The Elementary School Counselor and the Educable Mentally Retarded Child  
*Field of Specialization:* Education
- Robert Warren Blum, Baltimore, Md.  
B.S. (United States Military Academy); M.S., M.A. (University of Arizona)  
*Dissertation:* The Attack of Ground Targets by Artillery Fire: A Bayesian Application  
*Field of Specialization:* Industrial Engineering
- Richard Christian Bosse, Toledo  
B.A. (Capital University); B.D. (Evangelical Lutheran Theological Seminary); M.A.  
*Dissertation:* Origins of Lutheran Higher Education in Ohio  
*Field of Specialization:* Education
- Joe Thomas Boyd, Pittsburgh, Pa.  
B.S. (Pennsylvania State University); M.S.  
*Dissertation:* Linear and Nonlinear Spectral Analysis of the Dynamics of a Q-Switched Laser Pulse  
*Field of Specialization:* Electrical Engineering
- Carl Otto Bozler, Columbus  
B.E.E., M.S.  
*Dissertation:* Preparation and Characteristics of InAs Films Grown by Coplanar Chemical Transport  
*Field of Specialization:* Electrical Engineering
- Thomas Allen Brackey, Portsmouth  
B.E.E., M.S.  
*Dissertation:* Application of Spatial Diversity to Atmospheric Optical Line-of-Sight Communication Systems  
*Field of Specialization:* Electrical Engineering
- Eric Dale Braden, Euclid  
A.B. (Case Western Reserve University); M.A.  
*Dissertation:* Verbal Conditioning of Positive and Negative Self-Report in High and Low Self-Esteem Subjects  
*Field of Specialization:* Psychology
- Constance Cline Brady, New Matamoras  
B.A. (Marietta College); M.A.  
*Dissertation:* The Functions, Characteristics and Limitations of Psychological Openness  
*Field of Specialization:* Education
- James Ehric Brandau, Athens  
B.S.Ed., M.A. (Ohio University)  
*Dissertation:* Ohio's 1967 Senate Bill 350: A Case Study of Political Influence on Education Legislation  
*Field of Specialization:* Education
- Lynne Sechrist Broderick, Cuyahoga Falls  
B.A. (Ohio Wesleyan University); M.S. (University of Wisconsin)  
*Dissertation:* Light and Electron Microscopy of Vegetative Cells and Developing Zygotes of Isolated Strains of *Chlamydomonas Mexicana* Lewin  
*Field of Specialization:* Botany
- William Alvin Bruce, Poughkeepsie, N. Y.  
B.S. (Saint Lawrence University); M.S.  
*Dissertation:* The Perception of Infrared Radiation by the Spiny Rat Mite *Laelaps echidnina* (Acari: Laelapidae)  
*Field of Specialization:* Zoology and Entomology
- Robert George Burrows, Ft. Lauderdale, Fla.  
B.S. (Utah State University); M.S. (University of Utah)  
*Dissertation:* An Analysis of the Role Perceptions of the College Supervisor of Elementary Education Student Teachers  
*Field of Specialization:* Education
- Ronald Joseph Busch, Cleveland  
B.A. (Miami University); M.A. (Northwestern University)  
*Dissertation:* Stability and Change in Party Images: A Longitudinal Analysis  
*Field of Specialization:* Political Science
- Walter Audry Cameron, Blacksburg, Va.  
B.S. (North Carolina State University); M.S. (Virginia Polytechnic Institute)  
*Dissertation:* Remote In-Service Vocational-Technical Teacher Education for Beginning Teachers  
*Field of Specialization:* Agricultural Education
- Leland Arnold Carlson, Westerville  
B.A.A.E., M.S.  
*Dissertation:* Radiative Transfer, Chemical Nonequilibrium and Two-Temperature Effects behind a Reflected Shock Wave in Nitrogen  
*Field of Specialization:* Aeronautical and Astronautical Engineering
- Sister Mary Margaret Carr, Nazareth, Ky.  
B.S. (Catherine Spaulding College); M.S.  
*Dissertation:* The Feasibility of a Pre-Service Methods Course Adapted to Teaching Youth from Depressed Areas  
*Field of Specialization:* Home Economics
- Richard Dale Carter, Orrville  
B.S. in Agr., M.S.  
*Dissertation:* The Effect of a Capital Development Project on the National Income of a Developing Country: Malaysia  
*Field of Specialization:* Agricultural Economics and Rural Sociology
- Pietro Steve Carusone, Cincinnati  
B.F.A. (University of Cincinnati); M.B.A. (Xavier University)  
*Dissertation:* The Impact of Decentralization on the Retail Trade Structure of the Small City  
*Field of Specialization:* Business Organization
- John Stephen Chilson, Centralia, Wash.  
B.A. in Ed. (Western Washington State College); M.S. (Stout State University)  
*Dissertation:* Occupational Qualifications and Success of On-the-job Trainees  
*Field of Specialization:* Education
- Frederick Adetokunbo Christian, Lagos, Nigeria  
B.S. (Allen University); M.S. (Wayne State University)  
*Dissertation:* Life History Studies of *Spinitectus microspinosus* sp. n. (Nematoda: Rhabdochoniidae) with Emendation of the genus *Spinitectus* Fourment, 1883  
*Field of Specialization:* Zoology and Entomology
- Lawrence Mason Clopper, Jr., Denton, Md.  
B.A. (Johns Hopkins University); M.A.  
*Dissertation:* The Structure of the Chester Cycle: Text, Theme and Theatre  
*Field of Specialization:* English

- John Joseph Cogan, Columbus  
B.S. in Educ. (Kent State University); M.A.  
*Dissertation:* Political Education in the Elementary School: A Decision-Making Rationale  
*Field of Specialization:* Education
- Dale Holdrege Conant, San Jose, Calif.  
B.S. (College of Idaho); M.S. (Oregon State University)  
*Dissertation:* The Interaction of Chlorophyll and Derivatives with 2,4,7-trinitro-9-fluorenone  
*Field of Specialization:* Chemistry
- James William Cooper, Columbus  
A.B. (Oberlin College); M.S.  
*Dissertation:* Homoconjugation in Pyridylalkyl Anions  
*Field of Specialization:* Chemistry
- Robert Lee Cowan, II, Columbus  
B.Met.E., M.S.  
*Dissertation:* The Electrode Kinetic Behavior of Nickel in Dilute Acid Solutions from 25°C to 300°C  
*Field of Specialization:* Metallurgical Engineering
- Robert Vincent Coyne, Westerville  
B.S., M.S. (University of Minnesota)  
*Dissertation:* The Effects of a Space-Cabin Atmosphere on the Immune Response  
*Field of Specialization:* Anatomy
- Robert Lee Crane, Columbus  
B.Cer.E., M.S.  
*Dissertation:* A Study of the Crystal Structure of Långbanite  
*Field of Specialization:* Mineralogy
- Marion Laverne Cremer, Bellaire  
B.S. (Miami University); M.S.  
*Dissertation:* Analysis of Quality Factors in Meal Components Processed by Freezing  
*Field of Specialization:* Horticulture and Forestry
- Richard Lee Cryberg, Nashua, Ia.  
B.S. (Iowa State University)  
*Dissertation:* Nitrenium Ions Derived from 2-Azabicyclo [2.2.1]heptanes  
*Field of Specialization:* Chemistry
- Vincent Carmen D'Ambrosio, Oswego, N. Y.  
B.S. of Ed., M.S. of Ed. (New York State University College at Oswego)  
*Dissertation:* Comparative Psychomotor Achievement in Two Industrial Arts Courses  
*Field of Specialization:* Education
- Fritz Philip Dautermann, Columbus  
B.A., B.S. in Edu., M.A.  
*Dissertation:* The Syntactic Structures Employed in Samples of Narrative Writing by Secondary School Students  
*Field of Specialization:* Education
- Abraham L. Davis, Tuskegee Institute, Ala.  
B.A. (Morehouse College); M.S. (University of Wisconsin)  
*Dissertation:* The Utilization of Sociological Data in Judicial Decision-Making at the Supreme Court Level  
*Field of Specialization:* Political Science
- Arnold Ralph Davis, Trenton  
A.B. (Berea College); M.S. (University of Tennessee)  
*Dissertation:* The Effectiveness of Micro-Teaching and Video-Tapes in Training Prospective Elementary Teachers in Specific Technical Skills of Teaching  
*Field of Specialization:* Education
- Hugh Houck Davis, Findlay  
B.A. (Ohio Wesleyan University); M.A.  
*Dissertation:* The Reform Career of Joshua Leavitt, 1794-1873  
*Field of Specialization:* History
- James Emerson Deck, Newark  
B.S., M.S.  
*Dissertation:* *In Vivo* and *In Vitro* Studies on the Metabolism of the Swimbladder Gas Gland of the Bluegill Sunfish  
*Field of Specialization:* Zoology and Entomology
- David Charles DeMartini, Cincinnati  
B.S. in Physics (University of Notre Dame)  
*Dissertation:* The Polarization of Neutrons from the  $^{13}\text{C}(^3\text{He},n)^{16}\text{O}$  and the  $^{24}\text{Mg}(^3\text{He},n)^{26}\text{Si}$  Reactions between 4 and 6 MeV  
*Field of Specialization:* Physics
- Harold Dickerscheid, Worthington  
B.S. in Edu.; M.Ed. (Miami University)  
*Dissertation:* Curricular Implications of Mathematical Concepts of the Preschool Child  
*Field of Specialization:* Education
- Duane Harmon Dillman, Strongsville  
B.S. (Otterbein College); M.A.  
*Dissertation:* A Simulation Exercise for the Training of Educational Research and Development Program Managers  
*Field of Specialization:* Education
- Ralph Edward Dirksen, Cincinnati  
B.S. in Edu. (Miami University); M.E. (Bowling Green State University)  
*Dissertation:* Relevant Learnings for the Industrial Manufacturing Operative  
*Field of Specialization:* Education
- Robert Clifton Dolbeer, Springfield  
B.S. in Ed., B.Mus. (Wittenberg University); M.M. (Northwestern University)  
*Dissertation:* Programed Instruction in Detecting Aural-Notational Errors in Musical Performance  
*Field of Specialization:* Education
- Charles Robert Dudgeon, Mt. Vernon  
B.A. (Kenyon College); M.S.  
*Dissertation:* On the Exact Power Functions of Some Rank Tests  
*Field of Specialization:* Mathematics
- Floyd Eugene Earle, Akron  
B.S., M.A. (Kent State University)  
*Dissertation:* Acoustic Aspects and Intelligibility of Vowels Produced by Partially Glossectomized Speakers  
*Field of Specialization:* Speech
- Donald Stephen Elder, Columbus  
B.A. (Kalamazoo College); M.A.  
*Dissertation:* Georg Rudolf Weckherlin: An Evaluation of Some Sonnets  
*Field of Specialization:* German

Anna Jane Ellis, Upper Sandusky  
B.A. (Ohio Wesleyan University); A.M. (University of Michigan)  
*Dissertation:* Development of Tests to Measure Perceptual-Motor Performance of First, Second, and Third Grade Children  
*Field of Specialization:* Physical Education

Michael Dwight Fenton, Sacramento, Calif.  
B.S., M.S. (University of Wyoming)  
*Dissertation:* The Evolution of the Isotope Composition of Terrestrial Strontium  
*Field of Specialization:* Geology

George Wayne Fisher, Columbus  
B.S. in Edu., M.S.Ed. (Westminster College)  
*Dissertation:* A Conceptual Framework for School System Planning  
*Field of Specialization:* Education

Humphrey Sek-Ching Fong, Kowloon City, Hong Kong  
A.B. (Carroll College); M.S.  
*Dissertation:* Contributions to the Ergodic Theory of Semi-Markovian Operators  
*Field of Specialization:* Mathematics

Leo Joseph Frainier, Buffalo, N. Y.  
B.S., M.S. (Canisius College)  
*Dissertation:* The Reactions of Dinitrogen Tetroxide with Olefins in Dimethyl Sulfoxide  
*Field of Specialization:* Chemistry

Harvey Richard Freeman, Cleveland  
A.B. (Miami University); M.A.  
*Dissertation:* The Effect of Previous Preference and Recognition on Future Preference  
*Field of Specialization:* Psychology

Saul S. Friedman, Westerville  
B.A. (Kent State University); M.A.  
*Dissertation:* Official United States Policy toward Jewish Refugees, 1938-1945  
*Field of Specialization:* History

Dale Albert Gaeddert, Kingsville, Tex.  
B.A. (Bethel College); M.A. (University of Kansas)  
*Dissertation:* The Franco-Bavarian Alliance during the War of the Spanish Succession  
*Field of Specialization:* History

Neftali García-Martínez, Rio Piedras, Puerto Rico  
B.S. (University of Puerto Rico)  
*Dissertation:* Mass Spectrometry of Symmetric Benzoic Anhydrides  
*Field of Specialization:* Chemistry

Leonard Garland Gaston, Dayton  
B.S. (Texas Technological College); M.B.A.  
*Dissertation:* The 221(d) (3) Below Market Interest Rate and Rent Supplement Housing Program  
*Field of Specialization:* Business Organization

James Wayne Geibel, Morgantown, W. Va.  
A.B., A.M. (West Virginia University)  
*Dissertation:* An Annotated Bibliography of British Criticism of George Eliot, 1858-1900  
*Field of Specialization:* English

Valorie Stauffer Gilbert, Stittsville, Ont., Canada  
A.B. (Antioch College); M.A.  
*Dissertation:* Stereotypes of the Gifted: An Experimental Analysis  
*Field of Specialization:* Psychology

B. June Gilliam, Cleveland  
Ph.B. (University of Chicago); M.A. (Case Western Reserve University)  
*Dissertation:* Teaching French Poetry in the American Secondary School  
*Field of Specialization:* Education

Joseph William Goldsburly, Columbus  
B.S. in Ed., M.A.  
*Dissertation:* A Feasibility Study of Local Field Trips Taken Vicariously through Slide-Tapes  
*Field of Specialization:* Education

Jeffrey Haskell Goldstein, Norwalk, Conn.  
B.A. (University of Connecticut); M.S. (Boston University)  
*Dissertation:* Effects of Dimensionality and Articulation on Judgment  
*Field of Specialization:* Psychology

Peter Alexis Goudinoff, Columbus  
B.A., M.A.  
*Dissertation:* Party, Constituency, and Issue Salience in Congressional Voting  
*Field of Specialization:* Political Science

Burdette Lamar Green, Columbus  
B. Mus., M.A.  
*Dissertation:* The Harmonic Series from Mersenne to Rameau: An Historical Study of Circumstances Leading to its Recognition and Application to Music  
*Field of Specialization:* Music

Ina Lynch Green, Abilene, Tex.  
B.S. (Abilene Christian College); M.A.  
*Dissertation:* Curiosity in Institutionalized Mental Retardates  
*Field of Specialization:* Psychology

Chester Woodrow Gregory, LaGrange, N.C.  
A.B., M.A. (North Carolina College at Durham)  
*Dissertation:* The Problem of Labor during World War II: The Employment of Women in Defense Production  
*Field of Specialization:* History

Walter John Halen, Warrensburg, Mo.  
B.M. (Miami University); M.F.A. (Ohio University)  
*Dissertation:* An Analysis and Comparison of Compositional Practices Used by Five Contemporary Composers in Works Title "Symphony"  
*Field of Specialization:* Music

John Russell Hassard, Atlanta, Ga.  
B.S. Ed. (State Teachers College, Bridgeport, Massachusetts); M.Ed. (Boston University)  
*Dissertation:* An Investigation of Teacher and Student Behavior in Earth Science Classrooms  
*Field of Specialization:* Education

\*Herbert Krueger Heger, Cincinnati  
B.S.Ed., M.Ed. (Miami University)  
*Dissertation:* Verbal and Nonverbal Classroom Communication: The Development of an Observational Instrument  
*Field of Specialization:* Education

Roger Lee Herman, Columbus  
B.S. in Agr.  
*Dissertation:* Some Physiological and Histological Effects of Gossypol on Rainbow Trout (*Salmo gairdneri*)  
*Field of Specialization:* Zoology and Entomology

William Morton Hildebolt, Eaton  
B.S. Food Tech., M.S.  
*Dissertation:* The Influence of Preservation Methods on the Color and other Quality Attributes of Green Beans (*Phaseolus vulgaris* L.)  
*Field of Specialization:* Horticulture and Forestry

John Clarence Hill, Granville  
B.S. (Mount Union College); M.A.  
*Dissertation:* The Analysis of Content Development through Classroom Communication  
*Field of Specialization:* Education

Kenneth Randolph Hille, Fremont  
B.S. (Wagner College); M.A. (Bowling Green State University)  
*Dissertation:* The Effects of Different Concentrations of LAS on the Toxicity of Dieldrin to the Bluegill (*Lepomis macrochirus*)  
*Field of Specialization:* Zoology and Entomology

James Leroy Hoerner, San Jose, Calif.  
B.S. in Educ. (Iowa State University); M.A. (Los Angeles State College)  
*Dissertation:* An Assessment of Micro-Teaching as a Means for Improving the Effectiveness of the Pre-Service Trade and Industrial Teacher Education Workshop  
*Field of Specialization:* Education

Gerald Holdsworth, Christchurch, New Zealand  
B.E., B.S. (University of New Zealand); M.S.  
*Dissertation:* Mode of Flow of Meserve Glacier, Wright Valley, Antarctica  
*Field of Specialization:* Geology

Brian Patrick Holleran, Cuyahoga Falls  
B.S. (Kent State University); M.A.  
*Dissertation:* Effects of Pupil Feedback upon the Communication Behaviors of Student Teachers  
*Field of Specialization:* Education

Theodore Mathews Hollis, Palo Alto, Calif.  
B.A. (San Jose State College); M.S.  
*Dissertation:* Cholesterosis on Oxidative Metabolism of Rabbit Renocortices: Analysis of Lactic Dehydrogenase Activity  
*Field of Specialization:* Physiology

Benjamin Lawrence Honeycutt, Cliffs, N.C.  
B.A. (Wake Forest University); M.A.  
*Dissertation:* The Role of the Knight in the Old French Fabliaux  
*Field of Specialization:* Romance Languages

\* Degree granted in cooperation with Miami University

Chi-Pong Huang, Kowloon, Hong Kong  
B.S.E. (National Taiwan University); M.S.E. (Purdue University)  
*Dissertation:* Similar and Non-Similar Solutions of the Fully Viscous Flow in Slender Channels  
*Field of Specialization:* Aeronautical and Astronautical Engineering

Ann Scheib Hubbard, Columbus  
A.B. (Case Western Reserve University); M.A.  
*Dissertation:* Recent Changes in State Institutions for the Mentally Retarded  
*Field of Specialization:* Psychology

Ronald J. Huff, Marengo  
B.E.E., M.S.  
*Dissertation:* An Investigation of Time Division Multiple Access Space Communications Systems  
*Field of Specialization:* Electrical Engineering

Anita Roberg Hughes, Stamford, Conn.  
B.A., M.A. (University of Wisconsin)  
*Dissertation:* Study I: The Accurate Empathy Ratings of Therapists in Telephone and Face-to-Face Interviews  
Study II: The Effect of Group Sensitivity-Training on the Accurate Empathy Ratings of Therapists  
*Field of Specialization:* Psychology

Lachman Singh Hundal, Hasai, Punjab, India  
B.V.Sc. (Punjab Veterinary College)  
*Dissertation:* Changes in Dietary Fatty Acids as They Pass through the Rumen and Abomasum of Sheep  
*Field of Specialization:* Animal Science

Samuel Aaron Hyatt, Cullowhee, N.C.  
B.Mus., M.Mus. (University of Cincinnati)  
*Dissertation:* A Behavioral Study of Management and Leadership in Higher Education  
*Field of Specialization:* Education

Gene Allan Isler, Prospect  
B.S. in Agr., M.S.  
*Dissertation:* Genetic Parameters and Selection Schemes in Swine  
*Field of Specialization:* Animal Science

Willie Sherman Jackson, Columbus  
B.A. (Southern University); M.A. (North Carolina College at Durham)  
*Dissertation:* Ohio and Amendment Thirteen: A State Biography of the First National Reform Amendment, 1861-1865  
*Field of Specialization:* History

Robert Ottinger Jacoby, Columbus  
D.V.M. (Cornell University); M.S.  
*Dissertation:* Studies in Canine Immunobiology with Special Reference to Mechanisms of Lymphoid Cell Depletion in Viral Disease  
*Field of Specialization:* Veterinary Pathology

Banad Nandiswar Jagannath, Bangalore, India  
B.E. (University of Mysore); M.E. (Indian Institute of Science)  
*Dissertation:* Certain Mechanical Properties of Gyrotory Compacted Kaolin Clay  
*Field of Specialization:* Civil Engineering



- Clyde Willard Jentoft, Columbus  
B.A. (Catholic University); M.A.  
*Dissertation*: Rhetoric and Structure in the Poetry of Henry Howard, Earl of Surrey  
*Field of Specialization*: English
- Charles Lee Johnson, Dayton  
B.A. (State University of Iowa); M.S. in Ed. (Bowling Green State University)  
*Dissertation*: An Analysis of Letter Prediction Responses of Adults with Lateralized Cerebral Lesions  
*Field of Specialization*: Speech
- Charles Tesmer Keferl, Columbus  
B.S. in Edu., M.S.  
*Dissertation*: Some Effects of High Temperature Incubation upon the Liver of the Developing Chick Embryo  
*Field of Specialization*: Anatomy
- Kenneth Richard Kimble, Lima  
B.S., M.S.  
*Dissertation*: On the Algebraic Closure of the Field of Mikusinski Operators  
*Field of Specialization*: Mathematics
- Albert Jonathan Klein, Kettering  
B.S., M.S.  
*Dissertation*: Semi-Uniform Spaces and Hyperspace Constructions  
*Field of Specialization*: Mathematics
- Dilbagh Singh Kooner, Doaba, Punjab, India  
B.V.S. and A.H. (Vikram University); M.Sc. Dairy Science (Punjab University)  
*Dissertation*: Some Factors Associated with the Release of Hyaluronidase from Bovine and Rabbit Spermatozoa under Conditions of Simulated Capacitation  
*Field of Specialization*: Dairy Science
- Nicholas K. Krier, Columbus  
B.S.  
*Dissertation*: On Infinite Ovals and Möbius Planes  
*Field of Specialization*: Mathematics
- Walter Kruppa, Reading, Pa.  
B.S.E.E. (University of Akron); M.S.  
*Dissertation*: Design Considerations for Integrated Microwave Linear Amplifiers  
*Field of Specialization*: Electrical Engineering
- Chui Ngor Kwong, Kowloon, Hong Kong  
A.B. (University of California)  
*Dissertation*: Surface Properties of Cholesterol Esters and Methyl Esters of Polyenoic Fatty Acids  
*Field of Specialization*: Physiological Chemistry
- David George Larson, Newark, Del.  
B.A. (Concordia College); M.S. (University of Delaware)  
*Dissertation*: The Critical Equilibrium Activity of Adult Females of the House Dust Mite, *Dermatophagoides farinae* Hughes  
*Field of Specialization*: Zoology and Entomology
- David Leroy Larson, Findlay  
B.A. (Wittenberg University); M.B.A. (University of Michigan)  
*Dissertation*: Factors in the Development of Social Security: A Comparative Study of National Systems  
*Field of Specialization*: Sociology
- John K. Lauber, Archbold  
B.S., M.A.  
*Dissertation*: The Role of the Septo-Hypothalamic Tract and the Nucleus Accumbens in the Septal Rage Phenomenon  
*Field of Specialization*: Psychology
- William Everett Leonard, Lubbock, Tex.  
B.A., M.A. (Texas Technological College)  
*Dissertation*: The Professional Career of George Becks in the American Theatre of the Nineteenth Century  
*Field of Specialization*: Theatre
- Charles William Lifer, Danville  
B.S. in Agr., M.S.  
*Dissertation*: An Evaluation of Self-Learning Centers in Adult Education  
*Field of Specialization*: Agricultural Education
- Demetrice Irving Lyles, Tuskegee Institute, Ala.  
D.V.M. (Tuskegee Institute); M.S.  
*Dissertation*: The Effects of X-Irradiation on Embryogenesis, Infectivity, and Migratory Behavior of the Larvae of *Toxocara canis* (Werner, 1782) in White Mice  
*Field of Specialization*: Veterinary Parasitology
- William Montgomery Malloy, Hickory, N. C.  
B.A. (Denison University); M.Ed. (Wittenberg University)  
*Dissertation*: Interinstitutional Cooperation Among Selected Institutions in North Carolina: An Attitude Perception Study  
*Field of Specialization*: Education
- Mansour Ahmed Mansour, Cairo, Egypt  
M.S. (University of Colorado)  
*Dissertation*: The Legal Rights of Federal Employees to Unionize, Bargain Collectively, and Strike  
*Field of Specialization*: Business Organization
- Alan John Markworth, Cleveland  
B.S. (Case Western Reserve University); M.S.  
*Dissertation*: The Spin-Dependent Scattering of Thermal Neutrons from Polarized Nuclei in Magnetically Ordered Solids  
*Field of Specialization*: Physics
- David William Martin, Cincinnati  
B.A. (Hanover College); M.A.  
*Dissertation*: A Divided Attention Approach to Organization in Memory  
*Field of Specialization*: Psychology
- Emmett Elwell Mason, St. Albans, W. Va.  
B.S.Ed. (Northwest Missouri State College); A.M. (Colorado State College)  
*Dissertation*: The Associative Meaning and Content Validity of Selected Elements from the Industrial Arts Curriculum Project's Taxonomy as Determined by Continued Word Association  
*Field of Specialization*: Education
- Robert Fletcher Mathis, Columbus  
B.S., M.S.  
*Dissertation*: Error Bounds in Discrete Potential Theory  
*Field of Specialization*: Mathematics

Roger Dean McCormick, Kettering  
B.S. in Edu. (Miami University); M.A.  
*Dissertation:* The Influence of Dissimilar Group Guidance Activities upon the Vocational Interests of Eighth Grade Pupils  
*Field of Specialization:* Education

Ronald Fritz Mengert, Columbus  
B.S. in Edu.; M.Ed. (Kent State University)  
*Dissertation:* An Existential View of an Experimental Teacher Education Project  
*Field of Specialization:* Education

Robert McKisson Mennel, Belmont, Mass.  
B.A. (Denison University); M.A.  
*Dissertation:* Attitudes and Policies toward Juvenile Delinquency in the United States, 1825-1935  
*Field of Specialization:* History

James Andrew Mezick, Throop, Pa.  
B.S. (University of Scranton)  
*Dissertation:* Studies on the Mechanism of Hemolysis Induced by Menadione  
*Field of Specialization:* Physiological Chemistry

Donald Charles Miller, Worthington  
B.S. in Edu.; M.Edu. (Bowling Green State University)  
*Dissertation:* Knowledge of the Scientific Process Attained by Prospective Elementary School Teachers  
*Field of Specialization:* Education

Ahmet Minbay, Eskisehir, Turkey  
M.S.  
*Dissertation:* An Experimental Study of the Pathogenesis of Fowlpox Infection in Chickens  
*Field of Specialization:* Microbiology

Jessie Sykes Morrison, Camp Springs, Md.  
B.A., M.A. (University of Maryland)  
*Dissertation:* Characteristics of Students in Two-Year Post-High School Occupational Education Programs  
*Field of Specialization:* Education

Lyle Edward Nauman, Columbus  
B.S.Ed. (Western Illinois University); M.S.  
*Dissertation:* Endocrine Response to DDT and Social Stress in the Male Mallard  
*Field of Specialization:* Zoology and Entomology

Leon Harry Nawrocki, Columbus  
B.S., M.A.  
*Dissertation:* The Effect of Varying Stimulus Uncertainty, Response Uncertainty, and Stimulus Class upon Choice Reaction Time  
*Field of Specialization:* Psychology

Donald Dewey Nelson, Fresno, Calif.  
B.S. (Fresno State College); M.S. (University of California, Davis)  
*Dissertation:* Protein and Nonprotein Nitrogen Utilization in the Horse  
*Field of Specialization:* Animal Science

William George Nickels, Rocky River  
B.S. in Bus. Adm.; M.B.A. (Case Western Reserve University)  
*Dissertation:* The Effect of Systemic Changes on Attitudes in a Sales Organization  
*Field of Specialization:* Business Organization

Reginald Duston Noble, Gallipolis  
B.A., M.A. (Marshall University)  
*Dissertation:* Photosynthetic <sup>14</sup>C Labeling Patterns in Maturing Soybeans with Special Consideration of Amino Acid Metabolism  
*Field of Specialization:* Botany

George Elwood Overholt, Columbus  
B.S. in Edu., M.A.  
*Dissertation:* Freedom, Facticity, and Education: The Educational Implications of Sartrean Existentialism  
*Field of Specialization:* Education

Frances Yoakam Parker, Lancaster, Calif.  
B.S. (San Fernando Valley State College); M.A. (California State College)  
*Dissertation:* The Vocational Homemaking Teacher Opinion Leader as a Referent in the Communication of Change  
*Field of Specialization:* Home Economics

Paula Jacoby Parker, Berea  
B.A. (Ohio Wesleyan University)  
*Dissertation:* Studies on Manganese(II) Carbonyl Complexes Containing "Hard" Donor Atoms  
*Field of Specialization:* Chemistry

Roger Alan Parker, Hawkeye, Ia.  
B.S. (University of Iowa)  
*Dissertation:* The Synthesis and Biochemical Pharmacology of Cholestane-3 $\beta$ , 5 $\alpha$ , 6 $\beta$ -Triol and Related Amino Analogs as Hypocholesterolemic Agents  
*Field of Specialization:* Pharmacy

Arnold Richard Parr, Calgary, Alberta, Canada  
B.Ed., M.A. (University of Alberta)  
*Dissertation:* Group Emergence under Stress: A Study of Collective Behavior during the Emergency Period of Community Crises  
*Field of Specialization:* Sociology

Terry Wayne Parsons, Johnstown  
B.A. (Denison University); M.Ed. (Bowling Green State University)  
*Dissertation:* A Descriptive Analysis of the Achievement Level Realized by Grant-in-Aid Athletes as Compared to Matched Non-Athletes at The Ohio State University  
*Field of Specialization:* Physical Education

John Charles Peterson, Waterloo, Ia.  
B.A., M.A. Educ. (University of Northern Iowa)  
*Dissertation:* Effect of Exploratory Homework Exercises upon Achievement in Eighth Grade Mathematics  
*Field of Specialization:* Education

John Francis Pettibone, Delmar, N. Y.  
B.A. in Edu. (Ball State Teachers College); M.A.  
*Dissertation:* Orientation Programs and Orientation Leadership in the Public Two-Year Institutions of New York State  
*Field of Specialization:* Education

Atheal Pierce, Dublin, Ga.  
B.S.(Ag.), M.S. (Ag.) (Tuskegee Institute)  
*Dissertation:* A Relationship between Intrinsic and Extrinsic Job Satisfaction and the Performance of Prospective Teachers  
*Field of Specialization:* Agricultural Education

Bertram Phillip Price, Cleveland  
B.A. (Wittenberg University); M.S.  
*Dissertation*: Distribution Free Estimation  
*Field of Specialization*: Mathematics

Richard Lionel Price, Prairie View, Tex.  
B.S. (The Prairie View Agricultural and Mechanical  
College of Texas); M.A. (University of Texas)  
*Dissertation*: Scholastic Aptitude Test in Mathematics  
as a Predictor of Student Selection of Algebraic Versus  
Geometric Approaches to Problem Solving  
*Field of Specialization*: Education

Glen Weston Probst, Pleasant Grove, Utah  
B.A., M.A. (Brigham Young University)  
*Dissertation*: Two Basic Methods of Presenting Spanish  
at the University Level  
*Field of Specialization*: Education

Robert Baring Prynn, Columbus  
B.S. in Agr., D.V.M., M.S.  
*Dissertation*: The Effect of the Intra-Carotid Injection of  
Ceramic Microspheres on the Electroencephalogram  
of the Dog  
*Field of Specialization*: Veterinary Physiology

William Stephen Quigley, Granville  
B.A. (Maryville College); B.D. (Union Theological  
Seminary); M.A.  
*Dissertation*: The Ohio Protestant Clergy: Political  
Attitudes and Roles  
*Field of Specialization*: Political Science

Gregor Allen Ramsey, Payneham, Australia  
B.Sc. (Adelaide University)  
*Dissertation*: The Development of Chemistry Content by  
the Teachers of CHEM Study in High Schools in  
Franklin County, Ohio  
*Field of Specialization*: Education

John Leigh Ratliff, Columbus  
B.S. in Met. Engr., M.S. in Met. Engr. (University of  
Missouri School of Mines)  
*Dissertation*: Reaction-Diffusion in a Metal-Nonmetal  
Binary System and the Multicomponent Systems Ti/SiC  
and Ti-6Al-4V/SiC  
*Field of Specialization*: Metallurgical Engineering

Ronald Lee Redick, Westerville  
B.S.Educ. (Ashland College); M.A.  
*Dissertation*: The Attitude of Ohio School Board Members  
toward Teaching as a Profession  
*Field of Specialization*: Education

James Frederick Reed, Pomeroy  
B.S. (Westminster College); M.A.  
*Dissertation*: Determination of the Complexity Constants  
of Transition Metal Halides and Polyphosphates  
*Field of Specialization*: Chemistry

Lois Peterson Renker, Columbus  
B.S. in Home Econ. (Syracuse University); M.S.  
*Dissertation*: A Study of Certain Aspects of Tryptophan  
Metabolism in Mast Cell Neoplasm in Mice  
*Field of Specialization*: Home Economics

Donald Baldwin Reutener, Jr., Cleveland  
A.B. (Oberlin College); M.A.  
*Dissertation*: Background, Symbolic and Class Shift in  
Short-Term Memory  
*Field of Specialization*: Psychology

Reta Hamilton Richardson, Columbus  
B.S.Educ. (Kent State University); M.S.  
*Dissertation*: Stimuli in Homemaking Activities  
Associated with Heart Rate Changes in Women from  
Two Socioeconomic Levels  
*Field of Specialization*: Home Economics

William Fraser Rogers, Hayesville  
B.S. in Edu. (Miami University); M.Ed. (Kent State  
University)  
*Dissertation*: The Historical Development of the Ohio  
Council for Education  
*Field of Specialization*: Education

Norton Michael Rubenstein, University, Ala.  
B.S., M.S. (University of Alabama)  
*Dissertation*: Morphometric Analysis of Ontogenetic  
Allometry in Six Species of the Salamander Genus  
*Desmognathus* (Baird)  
*Field of Specialization*: Zoology and Entomology

Victoria Waters Rudick, Akron  
B.A. (College of Wooster); M.S.  
*Dissertation*: Cell Size and Macromolecule Composition  
during Aging in Cultures of *Acanthamoeba castellanii*  
*Field of Specialization*: Zoology and Entomology

Ralph Joseph Sabock, Worthington  
B.A. (Muskingum College); M.A.  
*Dissertation*: A History of Physical Education at The  
Ohio State University—Men and Women's Divisions:  
1898-1969  
*Field of Specialization*: Physical Education

James Schofield Saeger, Columbus  
B.A., M.A.  
*Dissertation*: The Role of Jose de Antequera in the  
Rebellion of Paraguay, 1717-1735  
*Field of Specialization*: History

Edgar L. Sagan, Oneonta, N. Y.  
B.A. (Hartwick College); M.S. (Educ.) (University of  
Wisconsin)  
*Dissertation*: A Network Model for Planning and  
Establishing Higher Education Consortiums  
*Field of Specialization*: Education

David Anthony Santoro, Cleveland Heights  
B.S.S., M.A. (John Carroll University)  
*Dissertation*: Interview and Relationship Perceptions in  
Counselor Education  
*Field of Specialization*: Education

Ramon Stewart Satterwhite, Little Rock, Ark.  
B.S.E.E. (University of Arkansas); M.S. (University of  
New Mexico)  
*Dissertation*: Diffraction by a Plane Angular Sector  
*Field of Specialization*: Electrical Engineering

Armin Ludwig Schadt, Sharon, Pa.  
B.A. (Youngstown State University); M.A. (Kent State University)  
*Dissertation:* The Volkshochschule: A Comparative Study of Adult Education in the Federal Republic of Germany and the German Democratic Republic  
*Field of Specialization:* Education

Stephen Patrick Scherer, Columbus  
B.A., M.A.  
*Dissertation:* The Life and Thought of Russia's First Lay Theologian, Grigoriĭ Savviĭ Skovoroda (1722-94)  
*Field of Specialization:* History

Herbert Henry Schneider, Columbus  
B.A., B.S. in Edu., M.A.  
*Dissertation:* A Comparative Study of Political Power and Educational Decision-Making in Two Small City School Districts  
*Field of Specialization:* Education

Seward Dean Schooler, Jr., Coshocton  
B.A. (Wesleyan University); M.A.  
*Dissertation:* Scientists and the Executive Branch: Scientific Inputs in American National Policy, 1945-1968  
*Field of Specialization:* Political Science

Frank Lee Scott, New Orleans, La.  
B.S. (Tulane University); M.S.  
*Dissertation:* A New Hyper-Uniformity with Applications to Multi-Valued Mappings  
*Field of Specialization:* Mathematics

Robert Elias Abu Shanab, Beirut, Lebanon  
B.A., M.A. (San Jose State College)  
*Dissertation:* Logical Positivism, Operationalism, and Behaviorism  
*Field of Specialization:* Philosophy

John Kincaid Shank, Columbus  
A.B. (Oberlin College); M.B.A. (University of Pittsburgh)  
*Dissertation:* Income Determination under Conditions of Uncertainty: An Application of Markov Chains  
*Field of Specialization:* Accounting

Lawrence Neil Shaw, St. Vincent, Minn.  
B.S. (North Dakota State University); M.S.Ag.Eng. (Purdue University)  
*Dissertation:* A Method of Analyzing Dynamic Responses of a Semi-Mounted Farm Implement  
*Field of Specialization:* Agricultural Engineering

Bong Ju Shin, Pusan, Korea  
B.A. (Pusan National University); M.A.  
*Dissertation:* Inflation and Economic Growth: An Empirical Study Based on the Korean Experience 1948-1967  
*Field of Specialization:* Economics

Terry Emerson Shoup, Tipp City  
B.M.E., M.S.  
*Dissertation:* An Analytical Investigation of the Large Deflections of Flexible Beam Springs  
*Field of Specialization:* Mechanical Engineering

Badrudin Siddiqui, Karachi, Pakistan  
B.S. (University of Karachi); M.S.  
*Dissertation:* Lipid Components of Sialosylgalactosylceramide of Human Brain and Studies of Gangliosides of Bovine Adrenal Cortex and Adrenal Medulla  
*Field of Specialization:* Physiological Chemistry

Kent Cooper Simmonds, Redlands, Calif.  
B.A. (Lewis and Clark College)  
*Dissertation:* Philosophical Comments on *Symposium* 201d-7a  
*Field of Specialization:* Philosophy

William Earl Slinkard, San Antonio, Tex.  
B.S. Chemistry (Trinity College)  
*Dissertation:* The Coordination Properties of Tertiary Phosphine Sulfide and Selenides  
*Field of Specialization:* Chemistry

Patricia Marie Smith, Ipswich, Mass.  
B.S. (University of Massachusetts); M.S.Ed. (University of Bridgeport)  
*Dissertation:* Experimentation to Determine the Feasibility of Remote Supervision of Student Teachers  
*Field of Specialization:* Home Economics

Wendell Lee Smith, Ponca City, Okla.  
B.S., M.S. (University of Oklahoma)  
*Dissertation:* Outdoor Recreational Resource Development Through Vocational Agriculture and the Cooperative Extension Service  
*Field of Specialization:* Agricultural Education

Bernard Steginsky, Troy, N.Y.  
B.S. in Chem. Engr. (Massachusetts Institute of Technology); M.Ch.E. (Rensselaer Polytechnic Institute)  
*Dissertation:* Macroscopic Oscillatory Behavior and the Momentum Distribution Function of a Normal Fermion System  
*Field of Specialization:* Physics

L. Tomlin Stevens, Youngstown  
B.A. (University of Chicago); M.A. (Case Western Reserve University)  
*Dissertation:* Carter Braxton: Signer of the Declaration of Independence  
*Field of Specialization:* History

Stephen Stollmack, Columbus  
B.Mgt.E. (Rensselaer Polytechnic Institute); M.S.  
*Dissertation:* Visual Detection-Time Models—Parameter Estimation and Prediction  
*Field of Specialization:* Industrial Engineering

Diane Weltner Strommer, Greensboro, N.C.  
B.A. (University of North Carolina); M.A.  
*Dissertation:* A Critical Edition of an Anonymous, Titleless Play, Dated 1643, in British Museum MS. Egerton 1994  
*Field of Specialization:* English

Warren Lee Stutzman, Palatine, Ill.  
B.S. (University of Illinois); M.S.  
*Dissertation*: Synthesis of Shaped-Beam Radiation  
Patterns  
*Field of Specialization*: Electrical Engineering

Robert Winford Suter, Dover  
B.A. (Bluffton College); M.S.  
*Dissertation*: The Nature of Phosphorus (V) Chloride in  
Carbon Tetrachloride Solutions  
*Field of Specialization*: Chemistry

Shuzaburo Takeda, Imabari, Japan  
B.S., M.S. (Keio University)  
*Dissertation*: The Effect of Defects on the  
Photoconductivity of Auramine  
*Field of Specialization*: Physics

Patricia Winifred Tanner, Springfield  
B.A. (Ohio Wesleyan University); M.Ed. (Wittenberg  
University)  
*Dissertation*: The Relationships of Selected Measures of  
Body Image and Movement Concept to Two Types of  
Programs of Physical Education in the Primary Grades  
*Field of Specialization*: Physical Education

Howard Robert Terry, Lone Wolf, Okla.  
B.S., M.S. (Oklahoma State University)  
*Dissertation*: Composite Profiles of Agricultural  
Machinery Service Occupations as Derived from  
Comparative Analyses across Incumbents  
*Field of Specialization*: Agricultural Education

Campbell Bonner Titchener, Columbus  
B.A.; B.Mus., M.S. (University of Illinois)  
*Dissertation*: A Content Analysis of B-Values in  
Entertainment Criticism  
*Field of Specialization*: Speech

Alexander Featherston Toogood, Havelock, New Zealand  
B.A. (Victoria University); M.A. (University of North  
Carolina)  
*Dissertation*: Canadian Broadcasting: A Problem of  
Control  
*Field of Specialization*: Speech

Marlin Frank Troiano, Columbus  
B.A. (Kent State University); D.D.S. (Medical College  
of Virginia); M.S.  
*Dissertation*: The Prenatal Development of the Human  
Premaxillae in Relation to Cleft Palate Formation (A  
Gross Anatomical, Histological, and Radiographic Study)  
*Field of Specialization*: Anatomy

Richard Harold Turpin, Anaheim, Calif.  
B.S. in E.E., B.S. (Iowa State University); M.S. in E.E.  
(University of Southern California)  
*Dissertation*: Basis Transformation, Least Square, and  
Characteristic Mode Techniques for Thin-Wire Scattering  
Analysis  
*Field of Specialization*: Electrical Engineering

Martin Ray Venneman, Chardon  
B.S., M.S.  
*Dissertation*: Experimental Salmonellosis:  
Characterization of Immunogenic Ribosomal and  
Ribosomal-Associated Ribonucleic Acid Preparations  
Obtained from *Salmonella Typhimurium*  
*Field of Specialization*: Microbiology

Ronald James Versic, Dayton  
B.S. (University of Dayton); M.A. (Johns Hopkins  
University)  
*Dissertation*: The Role of Molecular Clustering in the  
Growth of Crystals and the Theory of Liquids  
*Field of Specialization*: Mineralogy

Emma Clement Walker, Fort Valley, Ga.  
B.A. (Livingstone College); M.A. (Atlanta University)  
*Dissertation*: A Study of the Fiction of Hemingway and  
Faulkner in a College Sophomore English Class  
*Field of Specialization*: Education

Roger Wynn Wallenius, Wayne, Pa.  
B.S. (Pennsylvania State University); M.S.  
*Dissertation*: Antithyrototoxic Factor in Roughages and  
Feces and Problems Associated with its Measurement by  
Bioassay Techniques  
*Field of Specialization*: Dairy Science

Horace S. Ward, Jr., London  
A.B. (Cedarville College); B.S. in Edu. (Central State  
University); M.A.  
*Dissertation*: Factors Related to the Choice of Health  
Professions  
*Field of Specialization*: Education

Diana Wortman Warshay, Columbus  
B.A. (Brooklyn College); M.A.  
*Dissertation*: Instrumental and Affective Language Styles  
in Sex Status  
*Field of Specialization*: Sociology

Jack Calvin Waymire, West Milton  
A.B. (Earlham College)  
*Dissertation*: Studies on Renal Aspartic Carbamyl  
Transferase  
*Field of Specialization*: Physiology

William Badertscher Wead, Columbus  
B.A. (Wabash College); M.S.  
*Dissertation*: Dynamics of Stress Relaxation of the  
Rabbit Papillary Muscle  
*Field of Specialization*: Physiology

Leben Li Wee, Zamboango City, Philippines  
B.S. (University of the Philippines); M.S.  
*Dissertation*: Integral of Real-Set-Valued Set Functions  
with Respect to Banach-Set-Valued Measures  
*Field of Specialization*: Mathematics

David John Wells, Lorain  
B.A. (Baldwin-Wallace College); M.A. (Case Western  
Reserve University)  
*Dissertation*: Comic Atmosphere in Selected Comedies of  
Molière  
*Field of Specialization*: Romance Languages

Arthur George Wentz, Pittsburgh, Pa.  
B.S. in B.A. (Duquesne University); M.B.A. (University  
of Pittsburgh)  
*Dissertation*: Intrinsic Value and Its Use as a  
Determinant of Cost of Capital: A Test  
*Field of Specialization*: Business Organization

William Elmer West, Columbus  
B.S.Ed. (Ohio University); M.A.  
*Dissertation*: The Influence of the Industrial Arts  
Curriculum Project's Curriculum Materials on the  
Occupational Choices of Eighth Grade Male Students  
*Field of Specialization*: Education

Marvin Hart White, Laurel, Md.  
B.S.E., M.S. (University of Michigan)  
*Dissertation*: Characterization of Microwave Transistors  
*Field of Specialization*: Electrical Engineering

Oscar Renal Williams, Jr., Winston-Salem, N.C.  
B.A., M.A. (North Carolina College)  
*Dissertation*: Blacks and Colonial Legislation in the  
Middle Colonies  
*Field of Specialization*: History

Vera Estelle Williams, Oshkosh, Wis.  
B.S. (Wisconsin State University); A.M. (University of  
Michigan)  
*Dissertation*: The Contributions of Hans Christopher  
Reuter to Physical Education at La Crosse and in the  
State of Wisconsin  
*Field of Specialization*: Physical Education

Edward Matthew Wilson, St. Mary, Jamaica  
B.Sc.(Ag.), M.Sc. (McGill University)  
*Dissertation*: Some Physico-Chemical, Immunological and  
Electrophoretic Properties of Bovine Seminal Plasma and  
Their Implications in the Reproductive Process  
*Field of Specialization*: Dairy Science

John Thomas Wilson, Falls Church, Va.  
B.S. (Worcester Polytechnic Institute); M.S.  
*Dissertation*: Warping Torsion in Curved Beams of  
H-Section  
*Field of Specialization*: Civil Engineering

Richard Michael Wilson, Gary, Ind.  
A.B. (Indiana University); M.S.  
*Dissertation*: An Existence Theory for Pairwise  
Balanced Designs  
*Field of Specialization*: Mathematics

Roger Kohler Winger, Mansfield  
B.S. (Ashland College); M.A.  
*Dissertation*: The Influence of Level of Auditory Signal,  
Time since Birth, and Other Factors upon the Hearing  
Screening of Newborn Infants  
*Field of Specialization*: Speech

Nancy Carolyn Wood, Moundsville, W. Va.  
B.A. (Marshall University); M.A.  
*Dissertation*: Development of Cognitive Complexity in  
Adolescents  
*Field of Specialization*: Psychology

William John Wright, Hollywood, Fla.  
B.A., M.A. (Stetson University)  
*Dissertation*: Reformation Influence on Hessian Education  
*Field of Specialization*: History

Letha Eann Yurko, Weirton, W. Va.  
B.S., M.S.  
*Dissertation*: Immunofluorescent Detection of an  
Autologous Globulin Reactive with Canine Tumor Tissue  
*Field of Specialization*: Microbiology

Margaret Ann Zahn, Lorain  
B.S. in Soc. Wel., M.A.  
*Dissertation*: Physical Impairment and Interpersonal  
Relations  
*Field of Specialization*: Sociology

Joseph Richard Zecher, Lebanon  
B.A.; M.A. (University of Delaware)  
*Dissertation*: An Evaluation of Four Econometric Models  
of the Financial Sector  
*Field of Specialization*: Economics

Donald Lewis Zelman, San Bernardino, Calif.  
B.A. (University of California); M.A. (University of  
Oregon)  
*Dissertation*: American Intellectual Attitudes toward  
Mexico, 1908-1940  
*Field of Specialization*: History

Theodore Ayres Zimmer, Chico, Calif.  
B.S., M.Ed. (University of California)  
*Dissertation*: Occupational and Educational  
Characteristics of Male Graduates of Non-Metropolitan  
Ohio Schools in which Vocational Agriculture was  
Offered  
*Field of Specialization*: Agricultural Education

Woodford Walton Zimmerman, Dayton  
B.S. in Edu., M.A.  
*Dissertation*: Verbal Description of Aural Musical  
Stimuli: A Pilot Study of High School Students'  
Listening Attainment  
*Field of Specialization*: Education

Larry Jay Zook, Canton  
B.Cer.E., M.S.  
*Dissertation*: An Investigation of the Influences of  
Thermal Treatments on the Dielectric Properties of  
Lithia-Alumina-Silica Glasses  
*Field of Specialization*: Ceramic Engineering

**Certificate of Specialist in Educational Administration**

One candidate

David Monroe Speicher, Marysville  
B.A. (Bluffton College);  
M.A. (Michigan State University)

**Certificate in Teaching English Speakers of Other Languages**

One candidate

Dorothy Elaine Steingarten Pressman,  
Winnipeg, Man., Canada  
B.A. (University of Manitoba); M.A.

**Master of Accounting**

Three candidates

Gerald Brian Blouch, Lakewood  
B.S. in Bus.Adm. (Bowling Green  
State University)  
*Field of Specialization:* Accounting

Stephen Joseph Stephens, Cleveland  
B.S. in B.A. (John Carroll  
University)  
*Field of Specialization:* Accounting

Maurice Joseph Sullivan, Jr., Canton  
B.S. in B.A. (John Carroll  
University)  
*Field of Specialization:* Accounting

**Master of Arts**

Four hundred and thirty-eight candidates

Linda McDonnell Adamsen, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Albert Victor Adcock, Sandusky  
B.S. in Edu.  
*Field of Specialization:* Education

Bernard Irwin Agin,  
University Heights  
B.S. in Bus.Adm.  
*Field of Specialization:* Economics

Judith Anne Alcock, Upper Montclair,  
N. J.  
A.B. (Rutgers—The State  
University)  
*Field of Specialization:* History

Linda Burton Amspough, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Christine Cermak Anderson,  
Willowick  
B.S. in Edu.  
*Field of Specialization:* Education

Harold Paul Anderson, Jr.,  
Drexel Hill, Pa.  
B.A. (Villanova University)  
*Field of Specialization:* History

Margo Lynn Anderson, Austin, Minn.  
B.A. (Saint Olaf College)  
*Field of Specialization:* Physical  
Education

Mary S. Hauck Anderson, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Monte LaVern Anderson,  
Watervliet, Mich.  
B.S. (Purdue University)  
*Field of Specialization:* Education

Shelley Evans Anderson, Columbus  
A.B. (University of Michigan)  
*Field of Specialization:* Education

Thomas Wilbert Andreas, Sugarcreek  
B.S. (Ohio University)  
*Field of Specialization:* Education

Janet Young Angles, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Gwyn Delmont Angus, Columbus  
B.A. (Anderson College)  
*Field of Specialization:* Education

Cinda Smith Ankney, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Lauren Hibshman Arango, Mansfield,  
Mass.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Romance  
Languages

Janet Louise Arbogast, Springfield  
A.B. (Ohio University)  
*Field of Specialization:* Romance  
Languages

Earl Franklin Arnett, Coshocton  
B.S. in Ch.E., M.S. in Ch.E.  
(University of Texas)  
*Field of Specialization:* Sociology

Lowell Elmer Arthur, Jr., Springfield  
B.S. in Educ. (Wittenberg  
University)  
*Field of Specialization:* Music

Demetrie Lambros Augustinos,  
Albuquerque, N. Mex.  
B.A. (Eastern New Mexico  
University)  
*Field of Specialization:* History

Elio Bafle, Waynesburg  
B.A. (University of Notre Dame)  
*Field of Specialization:* Economics

Donald Maxwell Baldwin, Eugene,  
Ore.  
B.A. (University of Oregon)  
*Field of Specialization:* History

Matthew Stephen Baldwin, Jr.,  
Whitewater, Wis.  
B.S. (Loyola University)  
*Field of Specialization:* Sociology

Jerome John Banyots, Youngstown  
B.S. in Edu.  
*Field of Specialization:* Education

Clarence Robert Barnett, Columbus  
B.A. (Marshall University)  
*Field of Specialization:* Physical  
Education

David William Bartelt, Philadelphia,  
Pa.  
A.B. (Temple University)  
*Field of Specialization:* Sociology

Joyce Ellen Barve, Fort Wayne, Ind.  
B.S.Ed. (Ball State University)  
*Field of Specialization:* Education

Ellie Feinblatt Bauer, Denver, Colo.  
B.F.A. (University of Denver)  
*Field of Specialization:* Art

Beth Wear Bauman, Worthington  
B.S. (Oregon College of Education)  
*Field of Specialization:* Education

Barbara Marion Bazzone,  
McKeesport, Pa.  
B.S. (Kent State University)  
*Field of Specialization:* Education

Mary Kortier Beach, Westerville  
B.S. in Educ. (Capital University)  
*Field of Specialization:* Education

Martha Sisley Beidler, Lancaster  
A.B. (Grove City College)  
*Field of Specialization:* Romance  
Languages

Martin Beller, Huntington Station,  
N. Y.  
B.A. (C.W. Post College)  
*Field of Specialization:* English

Nancy Lou Bennett, Piqua  
B.S. in Edu.  
*Field of Specialization:* Education

Andrea Elaine Berman,  
Shaker Heights  
B.S. in Edu.  
*Field of Specialization:* Education

Reginald Bess, Columbus  
B.S. in Educ. (West Virginia  
State College)  
*Field of Specialization:* German

- Alice Judd Betsill, Columbus  
B.A. (Bennett College)  
*Field of Specialization:* Education
- Marjorie Moore Beu, Chillicothe  
B.S. (Eastern Michigan University)  
*Field of Specialization:* Education
- Beverly Wright Biggers, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Roberta Lea Booth Bishop, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Margaret Ellen Bisio, Durango, Colo.  
B.A. (Fort Lewis Agricultural and Mechanical College)  
*Field of Specialization:* Education
- Robert Joseph Black, Piqua  
B.S. in Edu.  
*Field of Specialization:* Physical Education
- Edward Merle Blackstad, La Salle, Minn.  
B.S. (Mankota State College)  
*Field of Specialization:* Education
- Jean Humphreys Blakeslee, Delaware  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Education
- Verne Blalack, Salmon, Ida.  
B.S.Ed. (University of Idaho)  
*Field of Specialization:* Education
- Sister Dolores M. Bianz, Green Bay, Wis.  
B.A. (Saint Mary's College, Indiana)  
*Field of Specialization:* Education
- James Andrew Bobula, Chicago, Ill.  
B.A. (Bellarmine College)  
*Field of Specialization:* Speech
- James Henry Boeckman, Minster  
B.A. (University of Dayton)  
*Field of Specialization:* Education
- Joan Bringle Boese, Indianapolis, Ind.  
B.A. (Hanover College)  
*Field of Specialization:* Education
- George William Bollenback, Columbus  
B.A. (San Francisco State College)  
*Field of Specialization:* Political Science
- Phyllis Thuma Boone, Fredericktown  
B.A. (College of Wooster)  
*Field of Specialization:* Education
- Dorothy Heskett Boser, Cardington  
B.A. in Edu. (University of Arizona)  
*Field of Specialization:* Education
- Judith Annette Boss, Pataskala  
B.S. in Edu.  
*Field of Specialization:* Art
- John Cameron Boyle, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Marjorie Ruth Bracken, Dallas, Tex.  
B.S. (O.T.) (Washington University)  
*Field of Specialization:* Art
- Leigh Phillipson Bradfield, Johannesburg, South Africa  
B.A. (University of Natal)  
*Field of Specialization:* Education
- Carolyn Coburn Bradford, Lima  
B.S. in Edu.  
*Field of Specialization:* Education
- John Paul Brantingham, Salem  
B.Rel.Edu. (Malone College);  
A.B. (Ashland College)  
*Field of Specialization:* East Asian Languages and Literatures
- Gerald Francis Braza, Milwaukee, Wis.  
B.S. (Wisconsin State University, La Crosse)  
*Field of Specialization:* Physical Education (Health Education)
- John Paul Brennan, Columbus  
A.B., M.A. (Saint Paul's College, Washington, D.C.)  
*Field of Specialization:* Education
- Edith Pauline Bresloff, Far Rockaway, N. Y.  
B.A. (Queens College)  
*Field of Specialization:* Physical Education
- Steven Ernest Breyfogle, Massillon  
B.A.  
*Field of Specialization:* History
- Kent Stewart Bromwell, Baltimore, Md.  
B.S. (United States Naval Academy)  
*Field of Specialization:* Education
- Eugene Edward Brown, Alexandria  
B.S. (Indiana State College); B.D. (Andover Newton Theological School)  
*Field of Specialization:* Education
- Harold Haywood Brown, Columbus  
B.S. (Ohio University)  
*Field of Specialization:* Education
- Loretta Cecile Lomasz Buffer, Columbus  
B.A. (Marycrest College)  
*Field of Specialization:* Education
- Robert Eugene Burch, Columbus  
B.S.Sec.Ed. (West Virginia University)  
*Field of Specialization:* Education
- Jack Douglas Burgess, Portsmouth  
B.S. in Edu.  
*Field of Specialization:* Education
- Ayleen Hilt Burns, Columbus  
B.S. in Edu.  
*Field of Specialization:* Music
- Lewis Percy Burrell, Newark  
B.S. (Anderson College)  
*Field of Specialization:* Education
- Lester Gene Butler, Denver, Colo.  
B.S.Ed. (Central State College)  
*Field of Specialization:* Education
- Judith Marie Buzard, Riverside, N. J.  
B.A. (Glassboro State College)  
*Field of Specialization:* Education
- Anicia Dabal Mojica Cadena, Salem  
B.S.Com.Ed. (University of the East, Philippines)  
*Field of Specialization:* Education
- Max George Carey, DeGraff  
B.S. in Edu.  
*Field of Specialization:* Education
- Merrill Lee Castle, Westerville  
B.S.Ed. (Ohio Northern University)  
*Field of Specialization:* Education
- Barbara Kirk Chandler, Columbus  
B.A.  
*Field of Specialization:* Education
- Adrian Derral Cheatwood, Ponca City, Okla.  
B.A. (Oklahoma State University)  
*Field of Specialization:* Sociology
- Donald Grover Chenoweth, Davenport, Ia.  
B.S. (Loras College)  
*Field of Specialization:* Psychology
- David Raymond Chesnut, Jr., Martinsburg, W. Va.  
B.S.Ed. (Shippensburg State College)  
*Field of Specialization:* Education
- Peter Anthony Citano, Youngstown  
B.S.Ed. (Youngstown State University);  
M.Ed. (Kent State University)  
*Field of Specialization:* Education
- Carl Dennis Clark, McCook, Nebr.  
A.B. (Colorado State College)  
*Field of Specialization:* Art
- Patricia Chenot Clous, Columbus  
B.S.Educ. (Kent State University)  
*Field of Specialization:* Education
- Loren Douglas Cocking, Cartersville, Ill.  
B.A. (Iowa State University)  
*Field of Specialization:* Speech



- Arnold Sidney Cohen, Morrisville, Pa.  
B.A. (Dickinson College)  
*Field of Specialization: Classics*
- Ronnie Gene Combs, Middletown  
B.S. in Edu.  
*Field of Specialization: Education*
- Sherry McNew Conklin,  
Yellow Springs  
A.B. (Ohio University)  
*Field of Specialization: Education*
- Carol Ann Conley, Columbus  
B.S. in Ed. (University of Dayton)  
*Field of Specialization: Education*
- Shirlee Rose Conley, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*
- Ella Louise Kasner Conner, Killbuck  
B.S. in Edu.  
*Field of Specialization: Education*
- Lois Lloyd Conrad, Geneva  
B.A. (Otterbein College)  
*Field of Specialization: Psychology*
- Sister Miriam Claire Corcoran,  
Columbus  
B.S. (Villa Maria College)  
*Field of Specialization: Education*
- Susan Koppelman Cornillon,  
Cleveland Heights  
B.A. (Case Western Reserve  
University)  
*Field of Specialization: English*
- Janice Wachter Cornwell, Columbus  
B.A. (Muskingum College)  
*Field of Specialization: Education*
- Steven Douglas Cornwell,  
North Olmsted  
B.S. (Denison University)  
*Field of Specialization: Education*
- Jo Ann Crabbe, West Farmington  
B.S. in Edu.  
*Field of Specialization: Education*
- Herman Thomas Crane, Westerville  
B.A. (Otterbein College)  
*Field of Specialization: Education*
- William LeRoy Cromley, Dayton  
B.A.  
*Field of Specialization: Political  
Science*
- Marjorie Lee Crowder, Nashville,  
Tenn.  
B.A. (Carson Newman College)  
*Field of Specialization: Education*
- Peggy Rimbart Crutcher, Oberlin  
B.S.Ed. (Central State University)  
*Field of Specialization: Education*
- Joanna Ross Dalrymple, Marietta  
B.A. (Marietta College)  
*Field of Specialization: Education*
- Harvey Jay Dattle, Westerville  
B.A. (Otterbein College)  
*Field of Specialization: Education*
- Phyllis Davidovitz, Batavia, N. Y.  
A.B. (Syracuse University)  
*Field of Specialization: Education*
- Gail Ellen Deegan, Amsterdam, N. Y.  
B.S. in Ed. (College of Saint Rose)  
*Field of Specialization: History*
- Abdurrahman Demirtas, Ankara,  
Turkey  
*Field of Specialization: Education*
- Carl Jon Denbow, Columbus  
B.S.J. (Ohio University)  
*Field of Specialization: Journalism*
- Paul Francis Denver, Chatham, N. J.  
B.A. (Williams College)  
*Field of Specialization: German*
- Howard Francis Devine, Danville, Ill.  
B.A. (Creighton University)  
*Field of Specialization: Psychology*
- Robert Di Donato, Greenville, Pa.  
B.A. (Canisius College)  
*Field of Specialization: German*
- Anita Dinesh Dighe, Baroda, India  
B.A., M.A. (University of Baroda,  
India)  
*Field of Specialization: English  
(TESOL)*
- Ester Gran Dipasupil, Mandaluyong,  
Rizal, Philippines  
B.A. (University of the Philippines)  
*Field of Specialization: Journalism*
- Anthony Joseph DiStefano, Verona,  
N. J.  
B.A. (Villanova University)  
*Field of Specialization: Political  
Science*
- Richard Arlen Dodge, Powell  
B.S. in Edu.  
*Field of Specialization: Education*
- Edward Lee Doemland, Des Plaines,  
Ill.  
B.A. (Lawrence University)  
*Field of Specialization: Education*
- Barbara Ann Dombrowski, Norwich,  
Conn.  
A.B. (Connecticut College)  
*Field of Specialization: History*
- Richard Royal Donaca, Sweet Home,  
Ore.  
B.A. (San Francisco State College)  
*Field of Specialization: Political  
Science*
- William Glen Double, Lester, Pa.  
B.S. (Temple University)  
*Field of Specialization: Journalism*
- Katharine Ellen Dougherty,  
Falls Church, Va.  
B.S. in Edu.  
*Field of Specialization: Education*
- Georgene Hovance Douglas, Cleveland  
B.S. in Edu.  
*Field of Specialization: Education*
- Frank Thomas DuByne, Jr., Haslett,  
Mich.  
B.S., M.A. (Michigan State  
University)  
*Field of Specialization: Education*
- Paul Miller Dunkle, Circleville  
B.S. (Ed.) (University of Cincinnati)  
*Field of Specialization: Music*
- Tommy Lee Dupler, Lancaster  
B.S. in Edu. (Ohio University)  
*Field of Specialization: Education*
- Verlin Gene Eash, Genoa  
B.S.Ed. (Bowling Green State  
University)  
*Field of Specialization: Music*
- Dorothy Carol Eberhart, Murrys ville,  
Pa.  
B.S.Ed. (Muskingum College)  
*Field of Specialization: Education*
- Roger Thomas Ebersole, Findlay  
B.S. in Edu.  
*Field of Specialization: Education*
- Randall Wayne Engle, Dunbar,  
W. Va.  
B.A. (West Virginia State College)  
*Field of Specialization: Psychology*
- Mary Louise Erickson, Erie, Ill.  
B.F.A. (University of Illinois)  
*Field of Specialization: Art*
- Johnnie Joe Evans, Weston, W. Va.  
A.B.Ed. (Glenville State College)  
*Field of Specialization: Education*
- Nancy Jane Evans, Reynoldsburg  
B.S. in H.E.  
*Field of Specialization: Education*
- William Gordon Fagan, Manuels,  
Newf., Canada  
B.P.E. (Memorial University of  
Newfoundland)  
*Field of Specialization: Physical  
Education*

- James David Fairbanks, Youngstown  
B.A. (Greenville College)  
*Field of Specialization:* Political  
Science
- Regina Louise Farinelli, Doylestown,  
Pa.  
B.A. (American University)  
*Field of Specialization:* Journalism
- Ralph Judson Feasel, Jr., Sunbury  
B.S. in Edu.  
*Field of Specialization:* Education
- Celeste Ramey Feazell, Cleveland  
B.S. in Educ. (Bowling Green State  
University)  
*Field of Specialization:* Theatre
- Haralambos Fekkos, Milford  
B.S. (Antioch College)  
*Field of Specialization:* Education
- Charles Roy Fender, Loveland, Colo.  
B.A. (Colorado State University)  
*Field of Specialization:* Art
- Maureen Louise Finn, Columbus  
B.A., B.S. in Edu.  
*Field of Specialization:* Education
- Lois Mildred O'Dell Fisher,  
Worthington  
B.S. in Edu.  
*Field of Specialization:* Education
- Carolyn Dudley Fleming, Delaware  
B.S. (Otterbein College)  
*Field of Specialization:* Education
- Maria Dolores Flores, Humboldt, Kan.  
B.A. (University of Missouri at  
Kansas City)  
*Field of Specialization:* Education
- Gretchen Ake Fluke, Columbus  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* History
- Charlotte Isbell Ford, Columbus  
B.F.A., B.S. in Edu.  
*Field of Specialization:* Education
- Lyda Lee Forney, Dayton  
B.S. in Mus.Ed. (University of  
Dayton)  
*Field of Specialization:* Music
- Emily Elizabeth Foster, Greer, S. C.  
A.B. (Youngstown University)  
*Field of Specialization:* English
- Brenda Beene Frank, Massillon  
B.A. (Mount Union College)  
*Field of Specialization:* English
- Richard Dempsey Frasher, Columbus  
B.M.E.  
*Field of Specialization:* Education
- Susan Sheppard Friend, Washington  
C. H.  
B.S. in Edu.  
*Field of Specialization:* Education
- Ulisse Frissora, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Barbara Howe Galloway, Youngstown  
B.M.E. (Baldwin-Wallace College)  
*Field of Specialization:* Music
- Glenn Harris Gardner, II, Westerville  
B.A.  
*Field of Specialization:* Political  
Science
- Alice Walsh Garry, Worthington  
B.A. (University of Iowa)  
*Field of Specialization:* Education
- Pamela Doerrer Gaskill, Ashland  
B.S. in Educ. (Bowling Green State  
University)  
*Field of Specialization:* Education
- Marjorie McWherter Gast,  
Worthington  
B.S. in H.E.  
*Field of Specialization:* Education
- Evelyn Janice Gauthier, Bellevue,  
Wash.  
A.B. (Occidental College)  
*Field of Specialization:* Psychology
- Edith Gorsuch George, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Suzanne Gay Geyser, Cedarville  
B.S. (Cedarville College); B.S. (Ed.)  
(Central State University)  
*Field of Specialization:* Education
- Antonio Gimenez-Cruz, Madrid, Spain  
*Field of Specialization:* Romance  
Languages
- Curtis Larry Godfrey, College Station,  
Tex.  
B.A. (Texas Christian University)  
*Field of Specialization:* Political  
Science
- Francyl Nadroski Greenlee,  
Westerville  
B.F.A. (Ohio University)  
*Field of Specialization:* Music
- David Ralph Greer, Glenmont  
B.S. in Edu.  
*Field of Specialization:* Education
- Janice Mulquin Greider, Newark  
B.S. in Edu.  
*Field of Specialization:* Education
- Donald Neil Griggs, Mt. Vernon  
B.S. in Edu.  
*Field of Specialization:* Education
- Shirley Saunders Griggs, Mt. Vernon  
B.S. in Edu.  
*Field of Specialization:* Education
- Fredric Otto Grimm, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Howard Earl Guenther, Cleveland  
B.A.  
*Field of Specialization:* Journalism
- Alda Douthett Haddad, Toledo  
B.S. (Ed.) (Bowling Green State  
University)  
*Field of Specialization:* Music
- Deborah Bush Haffey, Cuyahoga Falls  
B.A. (Cedarville College)  
*Field of Specialization:* Speech
- Carroll Lee Hall, Vienna, W. Va.  
B.A. (Marshall University)  
*Field of Specialization:* Education
- Jack Russell Haller, Columbus  
B.F.A.  
*Field of Specialization:* Art
- James Basil Hamblin, Sandusky  
A.B. (Miami University)  
*Field of Specialization:* English
- Barbara Jean Hameetman,  
Indianapolis, Ind.  
A.B. (Indiana University)  
*Field of Specialization:* Education
- Barbara Ann Beatty Hansen,  
Cambridge  
B.S. in Edu.  
*Field of Specialization:* Education
- Joanna Winget Haskins, Chillicothe  
B.S. in Edu.  
*Field of Specialization:* Education
- Betsey Louise Hayden, Hatfield, Pa.  
B.S. (Pennsylvania State University)  
*Field of Specialization:* Art
- Robert Allen Henderson, Wadsworth  
B.A. (Muskingum College)  
*Field of Specialization:* Education
- Robert Fredrick Henderson, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education
- Sister Mary Robert Patrice Heney,  
Mundelein, Ill.  
B.A. (Mundelein College)  
*Field of Specialization:* Art
- Virginia Johnson Heringer, Columbus  
B.A.  
*Field of Specialization:* English  
(TESOL)
- Joe Walter Hess, Columbus  
B.S. in Ed. (Capital University)  
*Field of Specialization:* Education

- Caren Lee Hiedovitz, Munhall, Pa.  
B.S. (University of Pittsburgh)  
*Field of Specialization*: Education
- Constance Hill, Southport, Conn.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization*: Education
- John Franklin Hilliard, Plain City  
B.S. in Edu.  
*Field of Specialization*: Education
- John Roger Hinton, Gilbert, Pa.  
B.S.Ed. (East Stroudsburg State College)  
*Field of Specialization*: Education
- Marcia Sue Hoare, Columbus  
B.A. (Capital University)  
*Field of Specialization*: Education
- Sandra Weaver Hodge, Circleville  
B.S. (State University of New York at Albany)  
*Field of Specialization*: Education
- Margaret Ann Hodgen, Chillicothe  
B.S.Ed. (Central State University)  
*Field of Specialization*: Education
- Judy Lee Holland, Dover, Del.  
B.S. (P.E.) (University of Delaware)  
*Field of Specialization*: Physical Education
- Carolyn Leslie Holman, Columbus  
B.S. in Edu.  
*Field of Specialization*: Education
- Gail Caldwell Hopper, Hudson, N. Y.  
B.A. (Nasson College)  
*Field of Specialization*: History
- Rosetta Sowers Horst, Galloway  
B.S. in Edu.  
*Field of Specialization*: Education
- Michael Joseph Hosemann, New Orleans, La.  
B.S. (Spring Hill College)  
*Field of Specialization*: Education
- Charles Thomas Howard, Leipsic  
B.S. in Edu.  
*Field of Specialization*: Education
- Cora Cannon Howard, Charlotte, N. C.  
B.S. (Johnson C. Smith University)  
*Field of Specialization*: Education
- Mary Brown Howard, Columbus  
B.S. (Albany State College)  
*Field of Specialization*: Education
- Mary Estelle Hoyer, West Haverstraw, N. Y.  
B.A. (New York State University College, Oneonta)  
*Field of Specialization*: Education
- Sister Roberta Jacqueline Hudlow, Louisville, Ky.  
A.B. (Webster College)  
*Field of Specialization*: Art
- Sharon Marea Huesman, Columbus  
B.S.Ed. (Bowling Green State University)  
*Field of Specialization*: Physical Education
- Ethel Mae Brown Hughes, Fairborn  
B.S. (Eastern Kentucky State College)  
*Field of Specialization*: Education
- Robert Emmett Hughlett, Baltimore, Md.  
B.S. (Towson State Teachers College)  
*Field of Specialization*: Education
- David Van Jacobsen, Scottsbluff, Nebr.  
B.A. (Hastings College)  
*Field of Specialization*: Journalism
- George Edward James, Reynoldsburg  
B.S.Edu. (Ohio University)  
*Field of Specialization*: Physical Education
- Cheryll Ann Johnson, Duluth, Minn.  
B.A. (Macalester College)  
*Field of Specialization*: Psychology
- Helen Jane Johnson, Columbus  
B.S. in Edu.  
*Field of Specialization*: Education
- Judith Ann Johnson, Newark  
A.B. (Hiram College)  
*Field of Specialization*: English
- Minnie Fells Johnson, Dayton  
B.S. (Tuskegee Institute)  
*Field of Specialization*: Sociology
- Shyla Suzanne Jones, Columbus  
B.A. (Wittenberg University)  
*Field of Specialization*: Education
- Douglas Nelson Kantner, Wapakoneta  
B.S. in Edu.  
*Field of Specialization*: Education
- Linda Marie Keim, Green Springs  
B.M.Ed. (Otterbein College)  
*Field of Specialization*: Music
- Susan Jean Keim, Winona, Minn.  
B.A. (University of Minnesota)  
*Field of Specialization*: Slavic Languages and Literatures
- Steven Keller, Akron  
B.S. in Bus.Adm.  
*Field of Specialization*: Speech
- Kathleen Kelley, Washington C. H.  
B.S. in Ed. (Wilmington College)  
*Field of Specialization*: Education
- Mary Boss Kesilman, Dayton  
B.S. in Edu.  
*Field of Specialization*: Education
- Katherine Kirk Kibbee, Pittsburgh, Pa.  
B.A. (Duquesne University)  
*Field of Specialization*: Journalism
- Karen Annis Kircher, Oakville, Ont., Canada  
B.S. (University of Washington)  
*Field of Specialization*: Psychology
- Karen Elnora Kolb, Portland, Ore.  
B.A. (Portland State College)  
*Field of Specialization*: Education
- Pamela Gall Kowan, Lexington, Ky.  
B.S. in Edu.  
*Field of Specialization*: Speech
- Joanne Lally Kraska, Maple Heights  
B.S.Ed. (Ohio University)  
*Field of Specialization*: Education
- Mary Jo Ann Kraus, St. Louis, Mo.  
B.A. (Saint Louis University)  
*Field of Specialization*: Political Science
- William Edward Krehmeier, St. Louis, Mo.  
B.S.Ed. (Southwest Missouri State College)  
*Field of Specialization*: Art
- John William Kreis, Cardington  
B.S. in Edu.  
*Field of Specialization*: Education
- Bridget Finnegan Kuhns, Shelby  
B.S. in Edu.  
*Field of Specialization*: Education
- Mario Julio Kujawski, Cleveland  
B.A. (Brown University)  
*Field of Specialization*: Art
- Sister Jeannette Lampe, Wilmette, Ill.  
B.A. (Siena Heights College)  
*Field of Specialization*: Art
- Francine Silver Landau, Columbus  
B.A. (City College of New York)  
*Field of Specialization*: English
- Thomas Keith Lang, Wintersville  
B.S. in Edu.  
*Field of Specialization*: Art
- Edward Russell Lentz, Dayton  
A.B. (Princeton University)  
*Field of Specialization*: History
- Thomas James Leo, Madison, Wis.  
B.S. in Ed. (Wisconsin State University, Stevens Point)  
*Field of Specialization*: Education

- Louis Joseph Leonardi, Bronx, N. Y.  
B.A. (City College of New York)  
*Field of Specialization*: History
- Edith Lew, San Francisco, Calif.  
B.A. (University of California, Berkeley)  
*Field of Specialization*: Art
- I-cheng Liang, Taichung, Taiwan  
B.A. (Tunghai University, Taiwan)  
*Field of Specialization*: East Asian Languages and Literatures
- Anthony Frank Libertella, New Rochelle, N. Y.  
B.A. (Iona College)  
*Field of Specialization*: History
- Martha Schenk Lindner, Columbus  
B.S. in Bus.Adm., B.S. in Edu.  
*Field of Specialization*: Education
- Leslee Diann Litt, Warren  
B.S. in Edu.  
*Field of Specialization*: Education
- Pamela Blazer Long, Columbus  
B.A. (Ohio Wesleyan University)  
*Field of Specialization*: Education
- Sister M. de Chantal Lorenz, Columbus  
B.A. (Ohio Dominican College)  
*Field of Specialization*: Education
- Lawrence Orlando Louviere, Memphis, Tenn.  
B.S. (Tennessee Agricultural and Industrial State University)  
*Field of Specialization*: Education
- Mary Boileau Lownie, Columbus  
B.S. in Soc.Wel.  
*Field of Specialization*: Education
- Cheryl Williams Lucks, Columbus  
B.S. in Edu.  
*Field of Specialization*: Physical Education (Health Education)
- Linda Ruth Lucks, Columbus  
B.S.Ed. (Miami University)  
*Field of Specialization*: Education
- Jacquelyn Yvonne Madry, Jacksonville, Fla.  
B.A. (Fisk University)  
*Field of Specialization*: Education
- James Richard Mansfield, Columbus  
A.B. (Ohio University)  
*Field of Specialization*: Education
- Catherine Piper Mansperger, Euclid  
B.Mus. (Ohio Wesleyan University)  
*Field of Specialization*: Music
- Marvin Jennings Mason, Marengo  
B.S. in Agr.  
*Field of Specialization*: Education
- Richard James Mattis, Watertown, N. Y.  
B.S. (New York State University College, Potsdam)  
*Field of Specialization*: Education
- Donald Richard Maxwell, Dinuba, Calif.  
A.B. (Fresno State College)  
*Field of Specialization*: Art
- Albert Daniel Mazzarella, Rochester, N. Y.  
B.S. in Edu. (New York State University College, Buffalo)  
*Field of Specialization*: Art
- Martha Jo McClatchie, Worthington  
B.S. in Educ. (Kent State University)  
*Field of Specialization*: Journalism
- Moirra Dixie McCluney, North Plainfield, N. J.  
B.A. (Montclair State College)  
*Field of Specialization*: Romance Languages
- Sandra Hastings McCormick, Columbus  
B.S. in Edu.  
*Field of Specialization*: Education
- Norman Wesley McCray, Crooksville  
B.S. in Edu.  
*Field of Specialization*: Education
- Mary Ann Augspurger McCualsky, Columbus  
B.S. (Otterbein College)  
*Field of Specialization*: Physical Education
- James Walter McDonald, Columbus  
B.S. in Edu.  
*Field of Specialization*: Music
- Sister Irene McGee, Denver, Colo.  
B.S.Ed. (Athenaeum of Ohio); A.B. (College of Mount Saint Joseph on the Ohio); M.A. (Creighton University)  
*Field of Specialization*: Art
- James Michael McIntyre, Stow  
B.F.A.  
*Field of Specialization*: Art
- Barry Arnold McLaughlin, New Milford, N. J.  
B.S. in Educ. (Northeast Missouri State Teachers College)  
*Field of Specialization*: Physical Education
- Charles Rodrick McLean, Westerville  
B.S. in Edu.  
*Field of Specialization*: Education
- Roger Grant McMurrin, Columbus  
B.S. (Olivet Nazarene College)  
*Field of Specialization*: Music
- Barbara Annear Meeker, Columbus  
B.B.A. (University of Wisconsin, Madison)  
*Field of Specialization*: Education
- Willda Cannon Melton, Lakemont, Ga.  
B.S. (North Georgia College)  
*Field of Specialization*: Education
- Rosalina Ignacio Mendiola, Ashland  
B.A. (Philippine College of Criminology); B.S. Ed. (University of the East, Philippines)  
*Field of Specialization*: Education
- Herbert Joseph Merrick, Jr., Arlington Heights, Ill.  
B.A. (Northwestern University)  
*Field of Specialization*: Classics
- Betty Saxa Meyer, La Grange  
B.S. in Edu.  
*Field of Specialization*: Education
- Russell Joseph Meyer, Columbus  
B.A.  
*Field of Specialization*: English
- John Richard Mihocik, Euclid  
B.A. (Wittenberg University)  
*Field of Specialization*: Education
- Jerilyn Elizabeth Miller, Columbus  
B.S. in Ed. (Miami University)  
*Field of Specialization*: Education
- Sue Ellen Miller, Sinks Grove, W. Va.  
A.B. in Educ. (University of Kentucky)  
*Field of Specialization*: Physical Education
- Wayne Joseph Miller, Columbus  
B.S. in Edu.  
*Field of Specialization*: Education
- William Hubert Miller, Cincinnati  
B.S.Ed. (University of Dayton)  
*Field of Specialization*: Speech
- Elaine Stansbury Mills, Springfield  
B.S. in Educ. (University of Nebraska)  
*Field of Specialization*: Speech
- Joyce Ward Mills, Columbus  
B.A. (Bennett College)  
*Field of Specialization*: Education
- Sister Patricia Mitchell, Columbus  
A.B. (College of Saint Francis)  
*Field of Specialization*: Education
- Sandra Atkinson Moore, Washington C. H.  
B.S. in Educ. (Bowling Green State University)  
*Field of Specialization*: Education

Elinora Dumaraos Moral, Manila,  
Philippines  
B.A. (University of the Philippines)  
*Field of Specialization: Journalism*

Daniel Louis Morocco, Columbus  
B.S. in Educ. (Bowling Green State  
University)  
*Field of Specialization: Education*

J. Gordon Morris, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Joan Bradshaw Morrison, Lockbourne  
AFB  
B.S. in Educ. (Miami University)  
*Field of Specialization: Education*

Robert Rice Mucha, Parma  
B.S. in Edu.  
*Field of Specialization: Education*

William Oakley Mulbarger, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Harry Murutes, Canton  
B.S. in Educ. (Kent State University)  
*Field of Specialization: Art*

Peter Ngiri Mwaura, Nairobi, Kenya  
B.A. (Honours) (University of East  
Africa)  
*Field of Specialization: Journalism*

Paul Joseph Napierala, Toledo  
B.S. in Edu.  
*Field of Specialization: Education*

Byron Albert Naum, Columbus  
B.S. in Bus.Adm., B.S. in Edu.  
*Field of Specialization: Education*

Robert Louis Nelson, Hartland, Wis.  
B.E. (Wisconsin State University,  
Whitewater)  
*Field of Specialization: Education*

Gary Ned Newman, Brooklyn, N. Y.  
B.A. (New York State University  
College, Fredonia)  
*Field of Specialization: History*

Ralph Lee Nix, Blacklick  
B.S. (Maryville College, Tennessee)  
*Field of Specialization: Education*

Grace T.U. Noda, Honolulu, Hawaii  
Ed.B. (University of Hawaii)  
*Field of Specialization: Education*

Clarice Pauline Noland, Indianapolis,  
Ind.  
A.B. (Butler University)  
*Field of Specialization: Classics*

Marilyn Faye Obrecht, Loudonville  
B.S. in Edu.  
*Field of Specialization: Music*

Douglas Warren Ohlin, Baltimore,  
Md.  
B.S. (Towson State College)  
*Field of Specialization: Speech*

Charles Wesley Orr, Groveport  
B. in Mus.Edu. (Capital University)  
*Field of Specialization: Music*

Marsha Miller Orr, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

David Hire Ott, Springfield  
B.S. in Edu.  
*Field of Specialization: Music*

Patricia Ann Pacenta, Akron  
B.A. (Marquette University)  
*Field of Specialization: English*

Thomas Joseph Palardy, Springfield  
B.S. in Edu.  
*Field of Specialization: Education*

Beverly Blazey Palmer, Columbus  
B.A. (University of Michigan)  
*Field of Specialization: Education*

Paul Palmik, Worthington  
B.F.A.  
*Field of Specialization: Art*

Mary Wedell Patterson, Shreve  
B.S. in Soc.Adm.  
*Field of Specialization: Education*

Joan Cassandra Payne, Nashville,  
Tenn.  
B.A. (Howard University)  
*Field of Specialization: Speech*

Rebecca Barkhurst Peltz, Ashland  
B.A.Ed. (Marshall University)  
*Field of Specialization: Education*

David Neil Pence, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Ruann Ernst Pengov, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Mary Anne Penzone, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Charles William Peschel, Madison,  
Wis.  
B.S.Ed. (University of Wisconsin,  
Madison)  
*Field of Specialization: Education*

Dorothea Ford Peterjohn, Columbus  
B.S. in Med.Tech. (Wayne State  
University)  
*Field of Specialization: Education*

Shirley Range Peters, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Vivian Lizotte Petrik, Bonner, Mont.  
B.A.Educ. (Montana State  
University)  
*Field of Specialization: Education*

William Roger Pfeil, Columbus  
B.S. in Edu.  
*Field of Specialization: Physical  
Education*

Lois Carol Phillips, Toledo  
B.S. in Ed. (Miami University)  
*Field of Specialization: Education*

Patricia Ann Pifer, Mansfield  
B.A. (Spring Arbor College)  
*Field of Specialization: History*

Richard Mark Pohl, Norwalk  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

David Malcolm Polk, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Elias McClellan Poston, III, Ashley  
B.A. (American University of Beirut)  
*Field of Specialization: Sociology*

Helen McIvor Prebus, Columbus  
B.A.  
*Field of Specialization: English*

Susan Pope Proano, Rittman  
B.S. in Edu.  
*Field of Specialization: Speech*

Mildred Turner Pruitt, Johnstown  
A.B. (Milligan College)  
*Field of Specialization: Education*

Patty Jo Ptacek, Cheyenne, Wyo.  
B.S. (Colorado State University)  
*Field of Specialization: Political  
Science*

Betty Jean Clayborne Quant,  
East St. Louis, Mo.  
B.S. in Educ. (Central State  
University)  
*Field of Specialization: Education*

Evelyn Roush Ralston, Circleville  
B.S.Ed. (Ohio University)  
*Field of Specialization: Education*

James Lee Ray, Pettisville  
B.A.  
*Field of Specialization: Political  
Science*

Robert Cecil Ready, Mansfield  
A.B. (Asbury College)  
*Field of Specialization: Education*

- Leroy William Reed, Dexter City  
B.S. in Agr.  
*Field of Specialization: Education*
- Thomas Dale Reed, Grove City  
B.A. in Educ. (Fairmont State College)  
*Field of Specialization: Education*
- Juergen Michael Reindl, Wayside, N. J.  
A.B. (Rutgers—The State University)  
*Field of Specialization: German*
- Cynthia Wyatt Reinhoudt, Williamsville, N. Y.  
B.A. (Psy.) (State University of New York at Buffalo)  
*Field of Specialization: Psychology*
- Norman Thomas Reiser, Columbus B.S. (Wilmington College)  
*Field of Specialization: Education*
- Sandra Sue Reisinger, Columbus B.S. in Edu.  
*Field of Specialization: Journalism*
- Sylvia White Reiss, Circleville B.S. (University of Houston)  
*Field of Specialization: Education*
- Alvin Daniel Rewuew, II, Tiffin B.S. in Agr.  
*Field of Specialization: Journalism*
- Key Reynolds, Shreveport, La. B.M.Edu. (Louisiana State University and Agricultural and Mechanical College)  
*Field of Specialization: Music*
- George Lee Rich, Jr., Washington, D. C.  
B.S. (West Virginia State College)  
*Field of Specialization: Education*
- Donn Charles Richardson, Indianapolis, Ind.  
B.A. (Butler University)  
*Field of Specialization: Journalism*
- Dorothy Meinert Richardson, Louisville, Ky.  
A.B. (University of Louisville)  
*Field of Specialization: Education*
- Marsha McDaniel Rizer, Columbus B.S.Ed. (Ohio University)  
*Field of Specialization: Education*
- Charles Harry Rockey, Jr., Colorado Springs, Colo.  
B.A.E. (Art Institute of Chicago)  
*Field of Specialization: Art*
- Jean Muir Rogers, Worthington B.A. (College of Wooster); M.A.  
*Field of Specialization: History*
- Edward Eston Rohrer, Jr., Pittsburgh, Pa.  
B.S.Ed. (Indiana University of Pennsylvania)  
*Field of Specialization: Education*
- Annie Burks Roseboro, Columbus B.S. in Edu.  
*Field of Specialization: Education*
- Arthur Rosenberg, Columbus B.Ed. (University of Miami)  
*Field of Specialization: Art*
- Bonnie Seidman Roth, Columbus B.S. in Edu.  
*Field of Specialization: Education*
- William John Rothwell, Malden, Mass. B.S. (University of New Hampshire)  
*Field of Specialization: Physical Education*
- Constance Edith Rudd, Arlington, Mass.  
B.F.A. (Rochester Institute of Technology)  
*Field of Specialization: Art*
- Susan Kincheloe Russel, Columbus A.B. (Illinois College)  
*Field of Specialization: Romance Languages*
- Beth Paul Sael, Columbus B.S.Ed. (Capital University)  
*Field of Specialization: Education*
- Dianne Loquist Salamon, Columbus B.S. (EL.Ed.) (University of Illinois)  
*Field of Specialization: Education*
- Margaret Denman Scarbrough, Fredericktown B.S.Ed. (Ohio University)  
*Field of Specialization: Education*
- Linda Rae Schenck, York, Pa. B.A. (Elizabethtown College)  
*Field of Specialization: Psychology*
- Rosemary Therese Scheuering, Westminster, Colo.  
B.A. (University of Albuquerque)  
*Field of Specialization: Art*
- Deanna Sue Schmidt, Fairborn B.A. (Miami University)  
*Field of Specialization: Education*
- Rosalie McClain Schmidt, Upper Sandusky B.S. in Edu.  
*Field of Specialization: Education*
- Sister Angela Schreiber, St. Paul, Minn.  
B.A. (College of Saint Catherine)  
*Field of Specialization: Education*
- Dale Edward Scott, Apple Creek B.S. in Agr.  
*Field of Specialization: Education*
- Sandra Eileen Scott, Spring City, Tenn.  
B.S.Ed. (Bowling Green State University)  
*Field of Specialization: Physical Education*
- Mary Malenick Sefton, Columbus B.A. (Shepherd College)  
*Field of Specialization: Education*
- Michael Joseph Sens, Lima B.S.  
*Field of Specialization: Art*
- Alfred Richard Sentieri, Mansfield Mus.B. (Oberlin College)  
*Field of Specialization: Music*
- Maurice Joseph Sevigny, Jr., Kingston, Mass.  
B.S. (Massachusetts College)  
*Field of Specialization: Art*
- Elizabeth Stranathan Shaw, Worthington B.S. in Edu.  
*Field of Specialization: Education*
- Janette Herdman Sheets, Lancaster B.S. in Edu.  
*Field of Specialization: Education*
- Peggy Clark Sheets, Circleville B.S. in Edu.  
*Field of Specialization: Education*
- Victoria Gasuras Sherer, Bucyrus B.S. in Edu.  
*Field of Specialization: Education*
- Sha-Li Shu, Hualien, Taiwan B.A. (National Taiwan University)  
*Field of Specialization: Education*
- John Ebin Simpson, New Boston B.A.  
*Field of Specialization: History*
- Rita Ann Sinclair, Wellston B.S. (Rio Grande College)  
*Field of Specialization: Education*
- Carol Peterson Siyahi, Merrick, N. Y. (Beloit College)  
*Field of Specialization: Journalism*
- Norman Lavor Skanchy, Ogden, Utah B.S. (Utah State University)  
*Field of Specialization: Art*
- Elizabeth Tracy Smith, Batavia B.S. in Edu.  
*Field of Specialization: Education*
- Elizabeth Truesdell Smith, Columbus B.A. (Elmira College)  
*Field of Specialization: Education*

John Christian Smith, Westlake  
B.S. in Edu. (Capital University)  
*Field of Specialization:* Education

Norman Harold Smith, Columbus  
B.S.E. (University of Arkansas)  
*Field of Specialization:* Physical Education

Ruth Klinger Smith, Columbus  
B.A. (Purdue University)  
*Field of Specialization:* Sociology

Kenneth Solomon, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

James Roland Somerville, Toledo  
B.S. in Educ. (Bowling Green State University)  
*Field of Specialization:* Education

Dorothy Ann Spiva, Akron  
B.A.; B.A.Ed. (University of Akron)  
*Field of Specialization:* Education

Clarence Herbert Sprowls, Jr., Medina  
A.B. (West Liberty State College);  
M.Ed. (University of Pittsburgh)  
*Field of Specialization:* Education

Nancy Walters Sprowls, Medina  
B.A. (West Liberty State College)  
*Field of Specialization:* Education

Carlene Walters Stallsmith, Columbus  
B.S. in H.E.  
*Field of Specialization:* Education

David Alan Stech, Armonk, N. Y.  
B.S. (University of Minnesota)  
*Field of Specialization:* Music

Merrill Ray Stevens, Pleasant City  
B.S.Ed. (Ohio University)  
*Field of Specialization:* Education

Robert Harry Stewart, Youngstown  
B.S.Ed. (Youngstown State University)  
*Field of Specialization:* Art

Mabel Lawson Stolzenburg, Carlisle  
B.S. in Edu. (Miami University)  
*Field of Specialization:* Education

Susan Stotsky, South Euclid  
B.S. in Edu. (Miami University)  
*Field of Specialization:* Education

John David Studebaker, Grove City  
B.S. in Edu. (West Virginia State College)  
*Field of Specialization:* Education

Phyllis Ann Suvak, South Euclid  
B.S.Ed. (Saint John College of Cleveland)  
*Field of Specialization:* Education

Robert Lynn Swedenborg, Ashtabula  
B.S. in Edu.  
*Field of Specialization:* Education

Robert Emmet Swihart, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Sandra McCoy Szerenyi, Loveland  
B.S. in Edu.  
*Field of Specialization:* Education

Ostap Swabinsky, Cleveland  
B.S. in Edu.  
*Field of Specialization:* Education

Clay Frederick Tanner, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Charles Edward Taylor, Columbus  
B.A.  
*Field of Specialization:* Education

David Neil Taylor, Loveland  
A.B. (Morehead State College)  
*Field of Specialization:* Romance Languages

Kenna Clyde Taylor, Shadyside  
B.A.  
*Field of Specialization:* Economics

William Allen Ternent, Pataskala  
B.S. in Edu.  
*Field of Specialization:* Speech

Linda Lou Thompson, Columbus  
B.A., B.S. in Edu.  
*Field of Specialization:* Education

Donald Allen Tischer, Seville  
B.S. in Ed. (Ashland College)  
*Field of Specialization:* Education

Alfred Joe Townsley, Cedarville  
B.S. in Edu.  
*Field of Specialization:* Education

Thelma Hoover Toy, Westerville  
B.S. in Edu.  
*Field of Specialization:* Education

Miriam Magno Travina, Iloilo City,  
Philippines  
B.S.E., M.A. (Central Philippine University)  
*Field of Specialization:* Education

Teresa Ann Trostmler, Findlay  
B.A. (Albion College)  
*Field of Specialization:* Education

Ronald Carl Tvedt, Newburg, N. Dak.  
B.A. (University of North Dakota)  
*Field of Specialization:* Education

Judith Swankie VanderKooi,  
Columbus  
B.A. (Houghton College)  
*Field of Specialization:* Education

Carole Jean Van Osdol, Kansas City,  
Mo.  
A.B. (University of Missouri)  
*Field of Specialization:* Psychology

Virginia Mary Vigrass, Cleveland  
B.S. Ed. (Baldwin-Wallace College)  
*Field of Specialization:* Education

James William Vyskocil, Corunna,  
Mich.  
A.B. (University of Michigan)  
*Field of Specialization:* Education

Sister Mary Marcia Wachowski,  
Adrian, Mich.  
B.A., M.A. (Siena Heights College)  
*Field of Specialization:* Art

Karen Lee Wa'dman, Louisville, Ky.  
B.S. in Ed. (Indiana University)  
*Field of Specialization:* Speech

Dolores Walker, Miami, Fla.  
B.S. (Florida Agricultural and Mechanical University)  
*Field of Specialization:* Speech

Gloria Latricia Walker, Columbus  
B.S. in Ed. (Central State University)  
*Field of Specialization:* Education

Gerald Frederick Walton, Sarasota,  
Fla.  
B.A. (Saint Lawrence University)  
*Field of Specialization:* Education

Elizabeth Watkins, Dayton  
B.S. in Edu.  
*Field of Specialization:* Education

Janelle Walker Weber, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Terrence Michael Weddle,  
Spencerville  
B.S. in Edu.  
*Field of Specialization:* Education

Bradley Eric Weidenhamer, Goshen,  
Ind.  
B.A. (Ashland College)  
*Field of Specialization:* History

Neal Terry Weintraub, Evanston, Ill.  
B.A. (Michigan State University)  
*Field of Specialization:* Journalism

Eldon Jacob Wetter, Platteville, Wis.  
B.S. (Wisconsin State University)  
*Field of Specialization:* Geography

Michael Ross Wheatley, Commerce,  
Tex.  
B.S. (East Texas State University)  
*Field of Specialization:* Art

Patricia Yingling White, Wichita,  
Kan.  
B.A. (Pomona College)  
*Field of Specialization:* History

Fredric Max Wild, Jr., Sebring, Fla.  
B.A. (Emory University)  
*Field of Specialization:* English

Alberta Monica Wilkes, Toledo  
B.S. in Educ. (Kent State University)  
*Field of Specialization: Journalism*

Rebecca King Wilkins, West Liberty  
A.B. (Eastern Kentucky University)  
*Field of Specialization: Music*

Delores Washington Williams,  
Hallandale, Fla.  
B.S. in Edu. (Central State  
University)  
*Field of Specialization: Education*

Harold Frederick Williams, Columbus  
B.A.  
*Field of Specialization: Political  
Science*

Jean Block Wilson, Chicago, Ill.  
B.A. (Indiana University)  
*Field of Specialization: Speech*

David Robert Winter,  
Highland Park, Ill.  
B.A. (Xavier University)  
*Field of Specialization: Classics*

Jerry Lee Wircenski, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Jo Anne Hays Witherspoon, Columbus  
B.S. in H.E.  
*Field of Specialization: Education*

James Earl Witty, Plainview, Minn.  
B.S. (Mankato State College)  
*Field of Specialization: Education*

Dianne Brown Woodruff, Massillon  
B.S. in Edu.  
*Field of Specialization: Dance*

Sandra Hysell Woodyard, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Eugene Woolery, Dayton  
B.S. in Edu.  
*Field of Specialization: Education*

James Calvin Wortham, Akron  
B.A. in Educ. (University of Akron)  
*Field of Specialization: Education*

Roy Hunter Worthington, Jr.,  
Columbus  
B.A. (Muskungum College)  
*Field of Specialization: Education*

Carol Boeke Wroblewski, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Ann Marie Wuellner, Columbus  
B.A. (Ohio Dominican College)  
*Field of Specialization: Education*

Melvin DeWayne Wygant, Columbus  
B. of Music Ed. (Capital University)  
*Field of Specialization: Music*

Beverly Irene Yakatan, Philadelphia,  
Pa.  
A.B. (Temple University)  
*Field of Specialization: Education*

Albert Laughlin Zimmer,  
East Liverpool  
B.A. (Miami University)  
*Field of Specialization: English*

Bonita Kay Zinda, Appleton, Minn.  
B.A. (Moorhead State College)  
*Field of Specialization: Psychology*

Ann Louise Zook, Miami, Fla.  
B.A. (University of South Florida)  
*Field of Specialization: Psychology*

Ronald Wayne Zwiers, Hudsonville,  
Mich.  
A.B. (Calvin College)  
*Field of Specialization: Music*

## **Master of Business Administration**

Thirty-one candidates

James Tague Bentz, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

Richard Edward Brister, Columbus  
B.B.A. (Ohio University)  
*Field of Specialization: Business  
Organization*

Steven Douglas Carroll, New Albany,  
Ind.  
B.S. (Butler University)  
*Field of Specialization: Business  
Organization*

Gary Alan Close, Fairborn  
B.S. (United States Air Force  
Academy)  
*Field of Specialization: Business  
Organization*

John Robert Deislinger, Girard  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

Clark Benton Dorsey, Bangor, Me.  
B.S. in I.M. (Georgia Institute of  
Technology)  
*Field of Specialization: Business  
Organization*

Leonard Oscar Eklund, Portland,  
Mich.  
B.S. (Western Michigan University)  
*Field of Specialization: Business  
Organization*

Myron William Gallogly, Mt. Vernon  
B.M.E., M.S.  
*Field of Specialization: Business  
Organization*

Dennis Dwight Garber, Glen Rock,  
N. J.  
B.S. (Marietta College)  
*Field of Specialization: Business  
Organization*

Joseph Macy Hample, Kettering  
B.S. Aero. Eng. (Aeronautical  
University); B. Mech. Engr.  
(University of Dayton)  
*Field of Specialization: Business  
Organization*

Harvey Lee Hivnor, McConnelsville  
B.S. in Ed. (Ohio University)  
*Field of Specialization: Business  
Organization*

Louie B. Hoop, Jr., Cascilla, Miss.  
B.B.A. (University of Mississippi)  
*Field of Specialization: Business  
Organization*

Charles Richard Hoskinson, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

Allen LeRoy Johnson, Dayton  
B.S. (University of Illinois);  
M.S. in E.E. (Northwestern  
University)  
*Field of Specialization: Business  
Organization*

David Lee Kapp, St. Joseph, Mo.  
B.S. (United States Air Force  
Academy)  
*Field of Specialization: Business  
Organization*

William Arthur Kehler, Lockland  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

Thomas Allen Kruger, Columbus  
B.S. (University of Wisconsin)  
*Field of Specialization: Business  
Organization*

William George Loeber, III,  
Cuyahoga Falls  
B.A.  
*Field of Specialization: Business  
Organization*

James Anthony Lopresti,  
Maple Heights  
B.S. in Bus.Adm.  
*Field of Specialization: Business  
Organization*

Henri Edouard Mesley, Paris, France  
*Field of Specialization: Business  
Organization*

Geoffrey Groman Meyers, Toledo  
B.A. (Northwestern University)  
*Field of Specialization: Business  
Organization*



Joseph John Milisits, Lancaster  
B.S. (Pennsylvania State University)  
*Field of Specialization: Business  
Organization*

Robert Alan Oakley, Columbus  
B.S.Aero. and Astro. Engr. (Purdue  
University)  
*Field of Specialization: Business  
Organization*

Jack Richard Pingry, Columbus  
B.S.M.E. (Purdue University);  
M.S. (University of Virginia)  
*Field of Specialization: Business  
Organization*

John Fredric Randall,  
West Carrollton  
B.S.  
*Field of Specialization: Business  
Organization*

Arthur Lewis Schneider, Canton  
B.A. (College of Wooster)  
*Field of Specialization: Business  
Organization*

Donald Nelson Scott, Cincinnati  
B.S.I.M. (Purdue University)  
*Field of Specialization: Business  
Organization*

Ben Susman, Frontenac, Mo.  
B.S. (Bus.) (University of Colorado)  
*Field of Specialization: Business  
Organization*

Carl Millon Tucker, III,  
Pageland, S. C.  
B.A. (Wake Forest University)  
*Field of Specialization: Business  
Organization*

Richard Steven Vogel, Syosset, N. Y.  
B.S. in Bus. Adm.  
*Field of Specialization: Business  
Organization*

Ralph William Weimer, Jr.,  
Columbus  
B.S. in Phar.  
*Field of Specialization: Business  
Organization*

#### **Master of City Planning**

Five candidates

Friedrich Bohm, Krems, Austria  
*Field of Specialization: City and  
Regional Planning*

Donald Walter Lenz, Little Neck,  
N. Y.  
B.A. (City College of New York)  
*Field of Specialization: City and  
Regional Planning*

Rex Thomas Molyneaux, Basseterre,  
St. Christopher Is., West Indies  
*Field of Specialization: City and  
Regional Planning*

David Coleman Peebles, Jr.,  
Cleveland  
B.A. (Loyola University)  
*Field of Specialization: City and  
Regional Planning*

John Nicholas Woelfl, Parma  
B.S. (Tri State College)  
*Field of Specialization: City and  
Regional Planning*

#### **Master of Fine Arts**

Six candidates

Nan Penney Prudden Denning,  
Columbus  
A.B. (Cornell University)  
*Field of Specialization: Fine Arts  
(Painting)*

Dean Roger Lettenstrom, Superior,  
Wis.  
B.F.A. (Wisconsin State University,  
Superior); M.A. (University of  
Dallas)  
*Field of Specialization: Fine Arts  
(Painting)*

Van Michael Oxley, Newark  
B.F.A.  
*Field of Specialization: Fine Arts  
(Painting)*

Bruce Lee Papier, Columbus  
B.F.A., M.A.  
*Field of Specialization: Fine Arts  
(Graphics)*

Patricia Ann Renick, Tampa, Fla.  
B.S. (Florida State University);  
M.A.  
*Field of Specialization: Fine Arts  
(Graphics)*

Dixie Henning Worcester, Stow  
B.F.A.; M.A. (University of  
Wisconsin)  
*Field of Specialization: Fine Arts  
(Ceramics)*

#### **Master of Music**

One candidate

Dan Olin Clark, Columbus  
B.S. in Edu.  
*Field of Specialization: Music*

#### **Master of Science**

One hundred and fifty-seven candidates

Bruce Nils Anderson, Worthington  
B.A. (Pacific Union College);  
M.D. (Loma Linda University)  
*Field of Specialization: Psychiatry*

Philip Simon Babel, Fairborn  
B.E.E. (University of Detroit)  
*Field of Specialization: Computer and  
Information Science*

Robert McClernand Bader, Xenia  
B.C.E.  
*Field of Specialization: Engineering  
Mechanics*

Sister Julia Raymond Barrett,  
Nazareth, Ky.  
B.S. (Catherine Spalding College)  
*Field of Specialization: Preventive  
Medicine*

Scott McComb Barrick, Alliance  
B.Ch.E.  
*Field of Specialization: Chemical  
Engineering*

Raymond Gene Barry, Lima  
B.S.  
*Field of Specialization: Mathematics*

Jane VanGundia Barton, Tiffin  
A.B. (Heidelberg College)  
*Field of Specialization: Home  
Economics*

Robert Daniel Bero, Parma Heights  
B.M.E.  
*Field of Specialization: Industrial  
Engineering*

K. Ramachandra Bhat, Paivalike,  
India  
B.S. (University of Mysore);  
M.S. (Banaras Hindu University)  
*Field of Specialization: Chemistry*

Thomas Leo Bills, St. Henry  
B.S. in Phys.  
*Field of Specialization: Physics*

John Philip Bishop, Marysville  
B.S. in Agr., D.V.M.  
*Field of Specialization: Dairy Science*

Katherine Ann Bobula, Delaware  
B.S. in H.E.  
*Field of Specialization: Home  
Economics*

Willem Eduard Bok, Port Elizabeth,  
South Africa  
B.M. and B. of Surgery (University  
of Capetown)  
*Field of Specialization: Psychiatry*

Carol Marie Boyum, St. Paul, Minn.  
B.A. (Saint Olaf College)  
*Field of Specialization: Mathematics*

John Royal Brasel, Jr. Larchmont,  
N. Y.  
B.S. in Math (Massachusetts Institute  
of Technology)  
*Field of Specialization: Mathematics*

James Louis Braun, Cincinnati  
B.Ch.E.  
*Field of Specialization: Chemical  
Engineering*

\*Dennis Neil Breiter, Yellow Springs  
*Field of Specialization: Mathematics*

Gail Graham Burns, Torrance, Calif.  
B.S. (San Fernando Valley State  
College)  
*Field of Specialization: Home  
Economics*

\*\*Donald Leon Byrket, Kettering  
*Field of Specialization: Industrial  
Engineering*

Stephen Michael Caiola, Cuyahoga  
Falls  
B.S. (Duquesne University)  
*Field of Specialization: Pharmacy*

Rosalyn Kathleen Callahan, Lima  
B.S. in Ed. (Ashland College)  
*Field of Specialization: Home  
Economics*

Tsuey-Jen Chau, Taipei, Taiwan  
B.Sc. (Taiwan Provincial  
Chung-Hsing University)  
*Field of Specialization: Agronomy*

John-lin Chen, Pington, Taiwan  
B.S. in Agr. (National Taiwan  
University)  
*Field of Specialization: Dairy  
Technology*

Chun-Wu Chow, Shiang, Taipei Hsien,  
Taiwan  
B.S. (National Taiwan University)  
*Field of Specialization: Chemistry*

David Steven Colombo, Parkersburg,  
W. Va.  
B.A. (Marietta College)  
*Field of Specialization: Computer and  
Information Science*

Michele Messenger Constable, Orrville  
B.S. in Food Tech.  
*Field of Specialization: Horticulture*

\*Keith Eugene Crawford, Canal  
Fulton  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

Linda Cook Cronkleton, Columbus  
B.S. in H.E.  
*Field of Specialization: Home  
Economics*

Charles Deans Crystle, Columbus  
B.S. (Franklin and Marshall College);  
M.D. (University of Pennsylvania)  
*Field of Specialization: Obstetrics  
and Gynecology*

Raul Dantas d'Arce, Sao Paulo, Brazil  
Eng. Agr. (University of Sao Paulo)  
*Field of Specialization: Animal  
Science*

Uttam Das Gupta, West Bengal, India  
B.Sc., M.Sc. (University of Kalyani)  
*Field of Specialization: Chemistry*

Bernice Ethel Davis, Wernersville, Pa.  
B.S. (Pennsylvania State University)  
*Field of Specialization: Home  
Economics*

Charles Stephen DeSilets, Drexel Hill,  
Pa.  
B.S. in Phys.  
*Field of Specialization: Physics*

Mary Ellen Eakin Echelbarger, Canal  
Winchester  
B.S. in Nurs.  
*Field of Specialization: Nursing*

\*Joseph Michael Eller, Newark  
*Field of Specialization: Ceramic  
Engineering*

David Eugene Ervin, Mansfield  
B.S. in Agr.  
*Field of Specialization: Agricultural  
Economics and Rural Sociology*

Augustine Onwura Ezenwa, Enugu,  
East Nigeria  
B.S. Agr. (University of Arizona)  
*Field of Specialization: Entomology*

Andre Ezis, Findlay  
B.Cer.E.  
*Field of Specialization: Nuclear  
Engineering*

Ching-Chiou Feng, Taipei, Taiwan  
B.S. (National Taiwan University)  
*Field of Specialization: Engineering  
Mechanics*

Christine Martino Fink, West  
Haverstraw, N. Y.  
B.S. (Good Counsel College)  
*Field of Specialization: Chemistry*

Grover Thomas Frederick, Cleveland  
B.S.  
*Field of Specialization: Microbiology*

Robert Harold French, Bellaire  
B.E.E.  
*Field of Specialization: Electrical  
Engineering*

Joseph Dominic Gargiulo, Wickliffe  
B.A.A.E.  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

Norman Lawrence Gearhart, Jr.  
Youngstown  
B.S. (Youngstown State University)  
*Field of Specialization: Physics*

Leonard Albert Gideon, Jr.,  
Fort Worth, Tex.  
B.S. (Texas Agricultural and  
Mechanical University)  
*Field of Specialization: Veterinary  
Surgery*

Russell John Gosnell, Columbus  
B.S.  
*Field of Specialization: Mathematics*

Dorothy Crowell Grossman, Berea, Ky.  
B.A.  
*Field of Specialization: Pathology*

Margaret Louise Grunnet,  
Minneapolis, Minn.  
B.A., B.S., M.D. (University of  
Minnesota)  
*Field of Specialization: Pathology*

Jorge Arciniega Guzman, Mexico,  
F.D., Mexico  
Ing. Quim. (National University of  
Mexico)  
*Field of Specialization: Chemical  
Engineering*

Charles Thomas Hammond,  
Colchester, Ill.  
B.S. in Educ. (Western Illinois  
University)  
*Field of Specialization: Botany*

Frederick William Hanson, Columbus  
B.A., M.D. (University of California)  
*Field of Specialization: Obstetrics and  
Gynecology*

Adolph Harris, Dayton  
B.S. As.E. (University of Cincinnati)  
*Field of Specialization: Electrical  
Engineering*

Barbara Ann Miller Henshaw,  
Brockway, Pa.  
B.S. in Home Ec. (Indiana University  
of Pennsylvania)  
*Field of Specialization: Home  
Economics*

Lynn B. Hetland, Billings, Mont.  
B.A. (Eastern Montana College)  
*Field of Specialization: Pathology*

Masataka Higa, Naha, Okinawa  
B. Eng. (Hiroshima University)  
*Field of Specialization: Civil  
Engineering*

\* Also Bachelor of Arts, Colleges of the Arts  
and Sciences  
\*\* Also Bachelor of Industrial Engineering,  
College of Engineering  
\* Also Bachelor of Aeronautical and Astro-  
nautical Engineering, College of Engineering  
\* Also Bachelor of Ceramic Engineering,  
College of Engineering

**Mark Stewart Hirsh**, Denver, Colo.  
B.A. (University of Colorado)  
*Field of Specialization: Mathematics*

**Bernard Louis Huff, Jr.**, Ste. Marie, Ill.  
B.S. (University of Illinois)  
*Field of Specialization: Entomology*

**William Ward Hunter, Jr.**, Fresno D.V.M.  
*Field of Specialization: Physiology*

**William Charles Husum**, Toledo B.S.  
*Field of Specialization: Anatomy*

**Angelina Amaonye Iregbulem**, Port Harcourt, Biafra  
B.S. (University of Arizona)  
*Field of Specialization: Home Economics*

**Michael Anthony Jaeger**, River Grove, Ill.  
B.S.A.E. (Saint Louis University)  
*Field of Specialization: Aeronautical and Astronautical Engineering*

**Janet Haas Johnson**, Worthington B.S. in Occ. Ther.  
*Field of Specialization: Home Economics*

**Ralph Walton Johnson**, Harleysville, Pa.  
B.S. (Ursinus College)  
*Field of Specialization: Mathematics*

**Charlie Mae Jones**, Fairfield, Ala. B.S. (Tuskegee Institute)  
*Field of Specialization: Nursing*

**James Dean Joseph**, Grove City B.S. in Phys.  
*Field of Specialization: Physics*

**Robert George Kalinsky**, Cleveland B.S. (University of Dayton)  
*Field of Specialization: Botany*

**Nick Alan Kaluger**, Shadyside B.I.E.  
*Field of Specialization: Industrial Engineering*

\***Harold Eugene Karcher**, Richwood  
*Field of Specialization: Agricultural Education*

**Evelyn Smith Kinzel**, Mansfield B.S. in Phys.  
*Field of Specialization: Physics*

\*\***James William Kirkpatrick, Jr.**, Columbus  
*Field of Specialization: Electrical Engineering*

**Sue Wilson Kirkpatrick**, West Liberty B.S. in H.E.  
*Field of Specialization: Home Economics*

**Arthur Theodore Koch**, Depew, N.Y. B.S. (Canisius College)  
*Field of Specialization: Chemistry*

**George Konomos**, Columbus B.M.E. (Auburn University)  
*Field of Specialization: Electrical Engineering*

**James Lee Lager**, Maumee B.S.  
*Field of Specialization: Mineralogy*

**John O. Landers**, Gary, Ind. A.B. (MacMurray College)  
*Field of Specialization: Chemistry*

**Robert Elwood Lewis**, Deer Park B.S. (Eastern Kentucky University)  
*Field of Specialization: Mathematics*

**Elizabeth Ann Libben**, Port Clinton B.S.Ed. (Bowling Green State University)  
*Field of Specialization: Home Economics*

**James Bruce Lincoln**, Port Huron, Mich. B.S. (Eastern Michigan University)  
*Field of Specialization: Mineralogy*

**Miles Hillard Lovingood**, Springfield B.S. in Agr.  
*Field of Specialization: Agricultural Engineering*

**Karle Albert Lucal**, Oregon B.S. in Agr.  
*Field of Specialization: Agricultural Education*

**J. Richard Lundgren**, Easthampton, Mass. B.S.E.E. (Worcester Polytechnic Institute)  
*Field of Specialization: Mathematics*

**Margaret Hunsley Lutsch**, Columbus B.S. in H.E.  
*Field of Specialization: Home Economics*

**Charles Dixon MacArthur**, Englewood B.S.  
*Field of Specialization: Physics*

**Jacob Edward Mackey, Jr.**, Lakewood B.S. (Case Western Reserve University)  
*Field of Specialization: Physics*

**Josephine Banzon Magat**, Quezon City, Philippines B.S. (University of Santo Tomas)  
*Field of Specialization: Physiological Chemistry*

**Robert Zenn Maigetter**, Youngstown B.S.  
*Field of Specialization: Microbiology*

**Jayne Carney Martin**, Floral Park, N. Y. B.S. (Saint Bonaventure University)  
*Field of Specialization: Microbiology*

**Gerald Edwin Matyk**, Parma B.A. (John Carroll University)  
*Field of Specialization: Aeronautical and Astronautical Engineering*

\***Robert Walter Matz**, Westerville  
*Field of Specialization: Ceramic Engineering*

**Lawrence S. Mayer**, Columbus B.S.  
*Field of Specialization: Mathematics*

**Myles Hastings McCabe**, Mineola, N. Y. B.S. (University of Dayton)  
*Field of Specialization: Physics*

\*\***Thomas Jeffrey McLaughlin**, Worthington  
*Field of Specialization: Aeronautical and Astronautical Engineering*

**Carol Boyd Meeks**, Stoutsville B.S. in H.E.  
*Field of Specialization: Home Economics*

**James Donald Mooney**, Ridgefield Park, N. J. B.S.E.E. (University of Notre Dame)  
*Field of Specialization: Electrical Engineering*

**Inez Schwab Moore**, Columbus B.S. (Nurs.) (University of Nebraska)  
*Field of Specialization: Nursing*

**Robert Michael Morena**, Rahway, N. J. B.S. (Rutgers-The State University)  
*Field of Specialization: Ceramic Engineering*

**Sue Nicholson Mueller**, Cincinnati B.S. in Home Ec. (Washington State University)  
*Field of Specialization: Home Economics*

**Cecilia Cantrell Nelson**, Columbus B.S. (University of Alabama)  
*Field of Specialization: Nursing*

\* Also Bachelor of Science in Agriculture, College of Agriculture and Home Economics  
\*\* Also Bachelor of Electrical Engineering, College of Engineering  
\* Also Bachelor of Ceramic Engineering, College of Engineering  
\*\* Also Bachelor of Aeronautical and Astronautical Engineering, College of Engineering

- Margaret Ruth Willis Nielsen, Fairborn  
B.A. (Queen's University, Canada)  
*Field of Specialization: Mathematics*
- \*Thomas L. Niemeyer, Sidney  
*Field of Specialization: Electrical Engineering*
- James Robert Nimz, Columbus  
B.C.E.  
*Field of Specialization: Civil Engineering*
- Karyn Louise Nirady, Cleveland  
B.S.  
*Field of Specialization: Microbiology*
- Dusit Nontanakorn, Bangkok, Thailand  
B.E. (Youngstown State University)  
*Field of Specialization: Civil Engineering*
- Eugene Irving Odell, Grand Haven, Mich.  
B.S.F. (M.E.) (University of Michigan)  
*Field of Specialization: Engineering Mechanics*
- Rajagopalan Parthasarathy, Bombay, India  
B.E. (University of Madras)  
*Field of Specialization: Nuclear Engineering*
- James Richard Pfalzer, Louisville, Ky.  
B.C.E. (University of Louisville)  
*Field of Specialization: Civil Engineering*
- Aldwyn Thomas Philip, Port of Spain, Trinidad  
*Field of Specialization: Geodetic Science*
- Sandra Michael Phipps, Dayton  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- Teri Washington Porter, New Boston  
B.S. in H.E.  
*Field of Specialization: Home Economics*
- \*Galen David Powers, Genoa  
*Field of Specialization: Ceramic Engineering*
- Patricia Evelyn Purcell, Painesville  
B.S. in H.E.  
*Field of Specialization: Home Economics*
- Nancy Jo Ramsey, Glen Ellyn, Ill.  
B.S.  
*Field of Specialization: Geology*
- \*James William Randall, Portsmouth  
*Field of Specialization: Ceramic Engineering*
- Pittungpay Ratnasiri, Piliyandala, Ceylon  
B.Sc. (University of Ceylon)  
*Field of Specialization: Electrical Engineering*
- Gwendolyn Mitchell Reichbach, Worthington  
B.S.Ed. (Miami University)  
*Field of Specialization: Home Economics*
- James Patrick Reilly, Columbus  
B.S. (Pennsylvania State University)  
*Field of Specialization: Geodetic Science*
- Judy Dimarumba Ribaya, Quezon City, Philippines  
B.Sc. (University of Santo Tomas)  
*Field of Specialization: Physiological Chemistry*
- Ida Richard, Opelousas, La.  
B.S. (Southern University)  
*Field of Specialization: Home Economics*
- Michael Alan Richards, Dayton  
B.S. (Evansville College)  
*Field of Specialization: Electrical Engineering*
- Jesus Antonio Rico-Velasco, Bogota, Colombia  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Adrian Earl Roberts, Wilmington  
B.S. in Agr.  
*Field of Specialization: Agricultural Education*
- Arthur Paul Roberts, Beverly, Mass.  
A.B. (Columbia University);  
M.D. (New York Medical School)  
*Field of Specialization: Preventive Medicine*
- Ruth Evans Rogers, Wayne, Pa.  
B.S. (Denison University)  
*Field of Specialization: Mathematics*
- \*Elliot Bennett Ross, Cleveland  
*Field of Specialization: Welding Engineering*
- Jane Rudy Roth, Covington  
B.S.H.Ec. (Ohio University)  
*Field of Specialization: Home Economics*
- Patricia Coyle Schindler, Charlottesville, Va.  
B.S. (Ed.) (Tufts University)  
*Field of Specialization: Home Economics*
- Judith Diane Schlesinger, Brooklyn, N. Y.  
B.S. (Brooklyn College)  
*Field of Specialization: Computer and Information Science*
- Jared Naphtali Schwartz, Youngstown  
B.S.  
*Field of Specialization: Botany*
- Ennio Steve Senia, North Haledon, N. J.  
D.D.S. (Marquette University)  
*Field of Specialization: Dentistry*
- John Elsworth Shawd, Columbus  
B.M.E.  
*Field of Specialization: Mechanical Engineering*
- David Lee Smith, Newark  
A.B. (University of Michigan)  
*Field of Specialization: Mathematics*
- Donald Eugene Smith, New Albany  
B.E.E.  
*Field of Specialization: Electrical Engineering*
- Lary Raymond Smith, Plymouth, Mich.  
B.A. (Kalamazoo College)  
*Field of Specialization: Mathematics*
- Ruth Sather Sorenson, Lockbourne  
B.A. (Augsburg College)  
*Field of Specialization: Home Economics*
- Emilio Domenico Spinosa, Columbus  
B.Cer.E.  
*Field of Specialization: Ceramic Engineering*
- Karen Marr Stimpert, Ashland  
B.S.  
*Field of Specialization: Microbiology*
- Sophia Ruei Su, Taipei, Taiwan  
B.Sc. (Taiwan Normal University)  
*Field of Specialization: Chemistry*
- Krishnappa Subbarao, Mandya, India  
B.Sc. (Bangalore University);  
M.Sc. (University of Mysore)  
*Field of Specialization: Physics*
- Frances Olsen Swanson, Superior, Wis.  
B.A. (Wisconsin State University)  
*Field of Specialization: Chemistry*
- \*Richard Marker Swanson, Columbus  
*Field of Specialization: Electrical Engineering*
- \*Also Bachelor of Electrical Engineering, College of Engineering  
\*Also Bachelor of Ceramic Engineering, College of Engineering  
\*Also Bachelor of Welding Engineering, College of Engineering

Dennis Charles Swartz, Upper  
Sandusky  
B.S. in Agr.  
*Field of Specialization: Agricultural  
Education*

Hiroshi Takahashi, Tokyo, Japan  
B.S. (Saitama University)  
*Field of Specialization: Chemistry*

Phongphan Temsuk, Thonburi,  
Thailand  
B.Sc. (University of Medical Sciences)  
*Field of Specialization: Microbiology*

Paul Richard Theaker, Mansfield  
B.S.  
*Field of Specialization: Plant  
Pathology*

Orin Duane VanLangen, Humboldt,  
Ia.  
B.A. (University of Northern Iowa)  
*Field of Specialization: Mathematics*

Sharon Rettig Vincent, Washington  
C.H.  
B.S. in Med. Tech.  
*Field of Specialization: Pathology*

Janice Marie Virag, South Amherst  
B.S. in Ed. (Bowling Green State  
University)  
*Field of Specialization: Home  
Economics*

Frank Darrel Vrudny, Arnold, Pa.  
B.S. (University of Pittsburgh)  
*Field of Specialization: Chemistry*

Flavio Aurelio Wandeck, Rio de  
Janeiro, Brazil  
B.S. Vet. Med. (Rural University of  
Brazil)  
*Field of Specialization: Dairy  
Technology*

Hsien-Yien Wang, Taipei, Taiwan  
B.S. (Tunghai University)  
*Field of Specialization: Chemistry*

\*William Allan Watkins, Columbus  
*Field of Specialization: Civil  
Engineering*

Bennie Lee White, Manchester  
B.S. in Agr.  
*Field of Specialization: Agricultural  
Economics and Rural Sociology*

Norah Teague Williams, Columbia,  
S.C.  
B.A. (University of South Carolina)  
*Field of Specialization: Computer and  
Information Science*

Judith Ann Wilson, Columbus  
B.S. in H.E.  
*Field of Specialization: Home  
Economics*

Ned Bruce Wilson, Toronto  
B.S.  
*Field of Specialization: Industrial  
Engineering*

Robert Thomas Woodland,  
Philadelphia, Pa.  
B.S. (Villanova University)  
*Field of Specialization: Microbiology*

John Allen Yeichner, Galion  
B.E.E.  
*Field of Specialization: Electrical  
Engineering*

\* Also Bachelor of Civil Engineering, College  
of Engineering

### Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Paul G. Craig  
Acting Dean for Undergraduate Programs: Robert A. Oetjen

The Colleges of the Arts and Sciences, a federation of five colleges, includes:

**College of The Arts**

Dean: Lee Rigsby

**College of Biological Sciences**

Dean: Richard Bohning

**College of Humanities**

Dean: Charles L. Babcock

**College of Mathematics  
and Physical Sciences**

Dean: Geoffrey Keller

**College of Social and Behavioral Sciences**

Dean: Paul G. Craig

## Bachelor of Arts

Two hundred and thirty-six candidates

Peter Andrejs Abolins, Worthington  
James Bryan Amato, Columbus  
Abbie Ann Amos, Scio, B.S. in Edu.  
Edwin Vasel Anderson, Elyria  
Stephen Michael Armstrong,  
Cincinnati

Ronald Fred Arndt, Parma  
James Richard Arrowsmith,  
Westerville

Samuel Mark Baker, Columbus  
Ronald James Balbin, Parma  
Cynthia Ann Barber, Celina  
Suzanne Brown Barry, Cincinnati

\*Nancy Armeen Bartell,  
Great Neck, N. Y.

Thomas Edward Baxter, Fremont  
Ronald Wuichet Beathard, Harrison  
Robert Dean Bemis, Columbus  
Phyllis Hedrick Benz, Mt. Healthy  
Donald Glenn Berger, Medina  
Kenneth David Berk,  
University Heights

Andrea Glass Berlow, Jamaica, N. Y.  
Marilyn Lee Bloomberg, Cleveland  
James Michael Blue, Columbus  
Diana Lee Bobby, Amsterdam  
David Leo Bodner, Dayton  
David Charles Boiman, Columbus  
Catherine Dick Boher, Columbus  
James Joseph Bovara, Youngstown  
James Ralph Bowers,  
Horseheads, N. Y.

Joyce Elaine Boyer, Mont Alto, Pa.  
John Richard Bradbury, Cortland  
†Dennis Neil Breiter, Yellow Springs  
Joan Ida Brill, Shaker Heights

Dean Robert Brown, Cleveland  
Rusty Oreste Brunardici, Columbus  
Charles Leslie Burd, Chesapeake  
Bruce Edward Burns, Columbus  
John Evangelist Campion, III,  
Charlotte, N. C.  
Jan Noble Carlson,  
University Heights  
Paul Lockwood Cass, Wayland, Mass.  
Clark Dowling Cellio, Columbus  
Janet Manzello Charyn, Columbus  
Constance Ruth Cheney, Shelby  
Larry Isisah Clarke, Twinsburg  
Deborah Jean Clifton, Toledo  
Ronald Ray Cobb, Van Wert  
Howard Lee Cohen, Shaker Heights  
Robert Warren Connell, Alliance  
Tom Harvey Connolly, Richwood  
Gary Lee Cooper, Columbus  
David John Cordea, Columbus  
Patricia Ann Corn, Columbus  
Herbert Michael Cox, Columbus  
Stephen Eugene Cox, Columbus  
William Thomas Creel, Painesville  
Evelyn Davidson, Londonderry  
James Monroe Delhamer, II, York, Pa.  
Danny Lee DeMatteis, Columbus  
Gene Edward Dick, Bellefontaine  
Vance Arlen Dick, Shelby  
Bert Carlton Drennen, III, Conneaut  
Terry Crockett Easton, Franklin  
Jane Eisdorfer, Forest Hills, N. Y.  
Thomas Wayne Ellers,  
Averill Park, N. Y.  
Deborah Lynn Emm, Dayton  
Donna Cicely Eschenbrenner,  
Columbus

Robert William Evans, Cleveland  
Chester Falzerano, Dayton  
Karen Lois Fastow, Irvington, N. J.  
Joseph Louis Finocchio, Worthington  
Kathleen Anne Folta, Lakewood  
Frank Anthony Fratee, Cleveland  
Mark Allen Frost, Salem  
Michael Wade Fuhrig, Akron  
Judith Kathleen Gideon, Worthington  
Elizabeth Rose Gildea, Ironton  
Susan Jeanne Gilroy, Commack, N. Y.  
Marc Paul Goldzweig,  
West Hempstead, N. Y.  
Donna Goodman, Cleveland Heights  
Robert Dennis Green, Columbus  
William Allan Grim, Crestline  
Edward Gross, Youngstown  
Eric Von Gruber, Cincinnati  
Holly Pauline Hall, Rockville, Md.  
John Cameron Hall, Massillon  
Thomas Skidmore Halsey,  
Southold, N. Y.  
James William Hanf, Columbus

John Joachim Harke, Springfield  
Ralph Heard, Cleveland Heights  
Geoffrey Byron Heaton, Columbus  
Michael Keyes Hendershot, Toledo  
Judith Bolar Hendrix,  
Canal Winchester  
Gary Willis Hennen, New Concord  
Charlotte Ashley Herman, Ada, Okla.  
John Mason Hinkle, Chillicothe  
Wayne Joseph Hoffman, New Paris  
Thomas Allan Holton, Dayton  
Randy Louis Hoover, Willoughby  
Sandra Marilyn Horwitz, Cleveland  
Melanie Joan Howison, Columbus  
Edward Emmett Hueckel, Columbus  
Kathy Hall Hull, Delaware  
Larry Robert Isch, Mansfield  
Marilyn Ann James, Columbus  
\*David Gerald Javitch,  
Cleveland Heights

Rodney Lee Johnson, Columbus  
Carl Allan Jones, Columbus  
Nan Presser Jones, Columbus  
Neil Jerome Kaufman, Cleveland  
Jack Michael Keefe, Columbus  
Robert Dennis Kelly, Parma  
John Paul Kenner, Tiffin  
Howard Alan Kessler, Youngstown  
Laurence Matthew Kieffer, Columbus  
John Edward Klemack, Grove City  
Henry James Knapke, Jr., Celina  
Mildred Snyder Knemeyer, Columbus  
Thomas John Kniesner,  
Garfield Heights  
David Andrew Kolb, Columbus  
William Kold, Columbus  
Barbara Lynn Koslen, Cleveland  
Jan Friday Kraus, Columbus  
Max Kravitz, Miami, Fla.  
Jan Steven Kucera, Lakewood  
Michael Paul Lavigna, Jr., Euclid  
Dennis Alan Lecy, Cleveland  
Richard Kenneth Lehman, Cleveland  
Marlene Warring Lehtinen,  
Ashtabula  
Richard Emil Lisak, Yardley, Pa.  
Harry Warren Little, Columbus  
David Ellison Long, Dayton  
John Edward Long, Hamilton  
William Randall Lowry,  
Commack, N. Y.  
James Mebane Lutz, Troy  
Crofford Johnson Macklin, Jr.,  
Lithopolis  
\*Mary Carole Ward Macklin,  
Columbus

\* Also Bachelor of Science in Education,  
College of Education  
† Also Master of Science, Graduate School

William Brown Mahoney, Bath  
 Kurt Max Malkoff, Youngstown  
 \*Allen James Marabito, Cleveland  
 Ralph William Marinello, Columbus  
 Albert George Marshall, Dayton  
 Paul Devereaux Marshall, Kettering  
 John Carl Matesich, Zanesville  
 Carolyn Janis Mayer, Mansfield  
 Hartley Addison Mays, Bluefield, Va.  
 Kathleen Elizabeth McCarthy,  
 Ashtabula  
 Elva Rebecca McFarland, Cambridge  
 Thomas Robert McGrath, Columbus  
 Keith Alan Mellroy, Columbus  
 Thomas Henry McKeag,  
 Temple Hills, Md.  
 Jack Michael McKenna, Columbus  
 Douglas Lee McLeod, Cleveland  
 Ilene Berman Micha, Columbus  
 Robin Jane Milstead, Zanesville  
 Carroll Drayer Morales, Columbus  
 Susan Leigh Moreton, Cincinnati  
 Ann Elizabeth Morgan, Gallipolis  
 Eugene Alan Morris, Akron  
 Kenneth Gregory Morris, Elyria  
 John Thomas Morrison, Chillicothe  
 Robert Hebard Mustard,  
 Wallingford, Conn.  
 Joseph Andrew Nagy, Columbus  
 John William Nelson, New Paris  
 Leonard Elmore Newman, Columbus  
 Michael Anthony Oddi, Columbus  
 Thomas Richard Panek,  
 Fairview Park  
 Jeffrey David Panning, Worthington  
 Robert Andrew Parker, Columbus  
 Leslie John Paster, Garfield Heights  
 Dudley Patrick, Columbus  
 James Robert Perdiew, Columbus  
 Lewis Arthur Perles, Brooklyn, N. Y.  
 Charles Edward Peters, West Liberty  
 Diana Lou Pilisdorf, Shaker Heights  
 Lois Elaine Preston, Columbus  
 Luther Edward Price,  
 Washington C. H.  
 Robert Elliott Race, Mansfield  
 Charles Emil Rahn, Jr.,  
 New Philadelphia  
 Laurel Ann Retay, Parma  
 Larry Philip Rima, Falls Church, Va.  
 Gary Clyde Ritzer, Columbus  
 Jerome Anthony Robson,  
 East Liberty  
 Thomas Rutledge Rosebrough,  
 Ironton  
 Diane Toby Rubin, Shaker Heights  
 George Francis Runner, Maumee  
 Ute Shepherd St. Clair, Columbus

William Bradley Salt, II, Columbus  
 William Schmidt, Mansfield  
 Karen Sue Schrock, Middletown  
 Meridee Schwartz, Bayside, N. Y.  
 Richard Newman Schwartz,  
 Youngstown  
 Glen William Sebald, Jr., Columbus  
 Robert Richard Segedi, Brook Park  
 Donald Raymond Selvage, London  
 Charles Howard Shenk, Columbus  
 Roberta Fricker Snoko, Cleveland  
 Elliot Morris Soloway, Cleveland  
 Ronald Douglas Spon, Columbus  
 Philip Bruce Spurlock, Oberlin  
 \*Harlan William Stine,  
 Walnut Creek, Calif.  
 Dona Griffith Stinziano, Columbus  
 Marvin Elliot Stone, Shaker Heights  
 Abbey Strauss, Bennettsville, S. C.  
 Gerald Stephen Strauss, Marion  
 Ira Bennett Sully, Reynoldsburg  
 Nancy Joseph Swartz, Sandusky  
 Jeffrey Alan Tannenbaum,  
 Cleveland Heights  
 Eric Peter Thomas, Lima  
 Richard Paul Timko, Reynoldsburg  
 Leslie Ellen Toole, Columbus  
 Kathleen Wisecup Treharne,  
 Columbus  
 Marcia Joan Tubbs, Medina  
 Terrence John Tychan, Akron  
 Larry Joseph Ullery, Trotwood  
 Udo Franz Ludwig Ustar,  
 Dhron, Germany  
 Phillip Robert Velen,  
 Lincolnwood, Ill.  
 Genevieve Esther Walker,  
 Sudbury, Mass.  
 Hensel Owen Ward, Jr., Columbus  
 Susan McCoy Weaver, Westerville  
 Sheldon Howard Weisberg,  
 University Heights  
 David Lynn Weiser, Worthington  
 Karen Jeanne Wheeler,  
 Parma Heights  
 \*Mary Rita Whitehead, Columbus  
 Roger Andrew Wilkens, Seville  
 Richard John Wills, Columbus  
 Tim Scott Winchester, Dayton  
 Mark Edward Wise, Columbus  
 Robert Henry Wolf, Copley  
 Marjorie Lela Wolozin,  
 Marblehead, Mass.  
 Michael Stewart Wooddell, Shelby  
 Jacqueline Mary Wright, Newark  
 Marjola Wrzyszczyński, Columbus  
 Jeffrey Carl Wynbrandt,  
 South Euclid

Michael Oden Wynkoop, Norwalk  
 Angela Elisabeth Zassenhaus,  
 Columbus  
 Ethel Margery Zeckhauser,  
 Buffalo, N. Y.  
 Dolores Diane Zodikoff, Cincinnati  
 Gary Steven Zolton, Youngstown

## Bachelor of Science

One hundred and five candidates

Mary Alice Atkins, Lancaster  
 Charles Edward Barna, Barborton  
 Patricia Susan Bartos, Lorain  
 Lee Albert Bauer, Westlake  
 Robert Paul Bauer, Cincinnati  
 Elizabeth Louise Beavers, Columbus  
 Brian Lee Bertholomey, Columbus  
 Richard Biederman, Brooklyn, N. Y.  
 Arthur William Browning, Kingston,  
 Tenn.  
 Elizabeth Ann Brundage,  
 West Caldwell, N. J.  
 Daniel Carl Cappy, Canton  
 Sandra Lee Chang, Hong Kong,  
 B.F.A.  
 Michael Eugene Corbin, Galion  
 Barbara Bock Daft, Columbus  
 Terry Edward Daniel, Zanesville  
 B.A. (Muskingum College)  
 Paul Edwin Daniels, Lakewood  
 Michael Glenn Darr, Wadsworth  
 Thomas Glenn Davenport,  
 South Euclid  
 Caroline Louise Detmer, Gambier  
 Dennis James Doyle, Cleveland  
 Jack Lynn Edgemon,  
 Hartford City, Ind.  
 Barbara Elaine Eley, Dover  
 Louis Edward Emick, Jr.  
 Upper Sandusky  
 David Allen Fairchild, Columbus  
 Bruce Eugene Fluck, Powell  
 Thomas Sumio Fuchino,  
 Honolulu, Hawaii  
 Robert Michael Gabel, Columbus  
 Russell Lee Garron, Shaker Heights  
 Lawrence David Globe, Columbus  
 Eduardo Gustavo Gomez, Applecreek  
 Nancy Ellen Green, Cincinnati  
 Michael Emil Greene, Cleveland  
 James Joseph Greiner, Alliance  
 John Christopher Hall, Columbus

\* Also Bachelor of Science in Education,  
 College of Education

## College of the Arts

Dean: Lee Rigsby

Kenneth Jon Hall, Columbus  
Jennifer Ray Harris, Columbia, S. C.  
John Paul Hawley, Jr., Bay Village  
Katherine Ann Hess, Columbus  
Katherine Hine, Columbus  
Joseph Harrison Holtzinger,  
Columbus  
Kenneth Lloyd Humphrey, Cleveland  
Marc Bentzel Hyser, Springfield  
Stephen Mark Jacoby, Wooster  
James Raymond Jerwers, Lima  
Lynn Merlin Jones, Reynoldsburg  
Maria Ann Jordan, Columbus  
John Robert Karg, Nevada  
Bonny Lea Kelley, Maple Heights  
James Karl Kirklin,  
Birmingham, Ala.  
Robert Joseph Klinger, Worthington  
John Michael Kobus, Parma  
Gregory Peter Kormos, Kettering  
Michael George Krueger, Toledo  
Mark Alan Kuhlmann, Columbus  
Lewis Asa Lapine, Cleveland  
Ross Graven Leedy, Columbus  
B.S. in Pharm.  
(Ohio Northern University)  
Allan Leo Lewicki, Parma  
Paul Curtis Lortz, Lima  
Roger Randall Maddocks, Cleveland  
Jerrold Lee Maddox, Vincent  
Larry James Mardis, West Chester  
Harry Michael Marks, Cleveland  
Laurel Susan Martin, Dover  
Daniel Jean Martinelli,  
New Philadelphia  
Ronald Lee McCamey, Millbury  
Sandra Jean Meetin, Geneva  
Jane LaRue Miller, Columbus  
Stephen Allen Miller, Dayton  
John Durward Morgan, Marion  
William Stanley Morton,  
White Plains, N. Y.  
Sue Ellen O'Connor, Columbus  
John Michael Olle, Cleveland  
Kenneth Lee Penix, Akron  
Gerald Russell Petty, Cincinnati  
James Robert Pritchard, Bay Village  
George Allan Purdy, Jr., Columbus  
David Allen Quinn, Columbus  
Gary Lee Rapp, Columbus  
Timothy Charles Rimmer, Mansfield  
Shirley Ann Rohl, Mentor  
David Michael Rose, Cleveland  
Thomas Henry Rosen, Columbus  
Philip Paul Rothermel, Columbus  
Frederic Norman Rounds, Columbus  
Michael David Salkovitch, Cleveland  
Norman Steven Schlanger,  
New York, N. Y.

Richard Paul Shanks, Dayton  
Pamela Sheel, La Junta, Colo.  
Robert Compton Sherwood, Columbus  
Barry Jay Silver, Shaker Heights  
Rick Stan Silver, Mentor  
Thomas Wayne Simms, Cincinnati  
Michael Lee Simons, Cincinnati  
Thomas Mark Stasek, Parma Heights  
Margaret Jadwiga Stasikowski,  
Cleveland  
Delbert E. Stauffer, Trotwood  
Mark William Stock, Pataskala  
Jean Shuffelton Sullivan, St. Marys  
Sharon Ethel Talbot, Cleveland  
Carolyn Harcourt Taylor, Maineville  
Dale Edwin Thornton, Walbridge  
Thomas Michael Tsakeris,  
Middletown  
Robert William Wehner, Cincinnati  
Gary Lester Williams, Bay Village  
Sharon Lynn Wilson, Fairborn

### Bachelor of Fine Arts

Twenty-five candidates

Stephen Robert Adams, Columbus  
Patti Ann Atkins, Toledo  
Kittie Lee Brechbuhler, Canton  
Susan Lee Brundige, Cincinnati  
Susan Schultz Connor, Columbus  
Jane Eleanora Guinther, Bucyrus  
Terry Lynn Harms, Columbus  
Iris Louise Harris, Cuyahoga Falls  
Susan Hecox, Perrysburg  
Robert Alan Hicks, Maitland, Fla.  
Joanne Ilhardt, South Euclid  
Martha Darst Kern, Rocky River  
Donna Jean Lutz, Shelby  
Kenneth Eugene Marshall, II,  
Columbus  
Jacquelyn Lucille Shaffer, Columbus  
Maureen Elizabeth Shalf, Kettering  
James Farris Sheban, Youngstown  
Paul Henry Slimak, Bay Village  
Benton Chatfield Smith, Salem  
Sherry Marie Snyder, Ashland  
Wayne Wallace Stephens, Cambridge  
Judith Ann Stocco, Columbus  
Wilbur Lewis Wadlington, Columbus  
Robert Stanton Weiss, Columbus  
Ina Lou Williams, Kettering

### Bachelor of Music

Two candidates

Steven Lawrence Bryant, Findlay  
Dana Hugh Sloan, Wilkesboro, N. C.



## College of Social and Behavioral Sciences

Dean: Paul G. Craig

### Bachelor of Arts in Journalism

Eighteen candidates

Elizabeth Anne Clark, Port Clinton  
Angela Marie D'Angelo,  
Pawtucket, R. I.  
Robert Francis Giomi,  
Englewood, N. J.  
Phyllis Ruth Goodman, Cleveland  
David George Haglund,  
Springfield, Mass.  
Frederic Glenn Leeder, Columbus  
Paula Sue Massenelli, Columbus  
Sheila Jane McCarthy, Columbus  
David Lawrence Milenthal, Columbus  
Carol Anne Morton, Yonkers, N. Y.  
Mary Beth Phillips, Westerville  
Richard Cecil Pilsbury, Jr., Toledo  
Mary Kathleen Redmond, Columbus  
Susan Boughner Schmidt, Columbus  
Samuel Stein, Worthington  
David Earl Thompson, Columbus  
William James Willis, Columbus  
John Charles Zink, Lorain

## College of Administrative Science

Dean: James R. McCoy

### Bachelor of Science in Business Administration

One hundred and twenty-six candidates

Raymond Aubrey Archer, III,  
Cuyahoga Falls  
Edward K. Ault, Ansonia  
Charles Nichols Babb, Wilmington  
Donald Charles Barcza, Cleveland  
Steven Randall Beard, Springfield  
Gary Neal Bender, Columbus  
Jerry Lee Bernstein, Henderson, Ky.  
William Karl Best, Jr., Mentor  
Dennis Bruce Blanken, Cincinnati  
Gary Eldon Bobo, New Carlisle  
William B. Brokstein, Canton  
Milton Wolford Brown, Cleveland  
Robert Turner Brown, Maple Heights  
Geoffrey Clyde Campbell,  
Santa Clara, Calif.  
Jan Schiff Chandler, Columbus  
Joseph Paul Cieply, Cleveland  
William Charles Clapsaddle,  
Columbus  
Marsha Reynolds Clark, Williamsport  
Robert Bruce Clark, Hilliard  
Roger Garland Cline, Columbus  
James Mickey Collins, Greenville  
Don Charles Conger, Peninsula  
Michael Joe Cramer, Lima  
William Gene Cronenwett, Galion  
Ray Alvin Crook, Jr., Columbus  
Daniel Allen Crooks, Columbus  
Michael Joseph Crosswell, Columbus  
William Eugene Crouse, Arcanum  
Patricia Egan Dardinger, Columbus  
John Patrick Downing, Columbus  
Richard John Emerine, II, Mansfield  
Brian Lee Evers, Warren  
Peggy Jane Ewart, Columbus  
Ray Erwin Fellows, Galena  
Andrew John Ferencak,  
McKeesport, Pa.  
Isadore Fleischer, Columbus  
Theodore Richard Fuller, Marengo  
Nancy Sue George, Plain City  
Deborah Davis Gessler  
Silver Spring, Md.  
Kenneth Walter Girves, Columbus  
William George Glazer, Louisville  
Diana Lee Goldsmith, Akron  
Sandra Friel Good, Chillicothe  
Ronald Glen Gratz, Lakeview  
David Richard Griffith, Lorain  
Max Vernon Hauger, Utica  
George John Hoh, Middletown  
Donald John Hood, Xenia  
Marvin Sanford Jacobs, South Euclid  
Garva Gene Jesano, Youngstown

Gary Allen Jones, Mansfield  
Thomas Richard Jones, Lima  
Pteris Jurjans, Eastlake  
William Allen Kennard, Green Camp  
Francis Leo Kolarik, Jr., Roslyn, Pa.  
Jane Ellen Kroener, Franklin  
Dan Elliot Kron, Chicago, Ill.  
Kenneth Lashutka, Cleveland  
Robert Paul Leach, North Canton  
Larry Richard Leard, Warren  
Lee Irwin Leavitt, Cleveland Heights  
Kenneth Eugene Leffel, Wapakoneta  
Kenneth Reuben Leuthold, Bucyrus  
Glenn Davis Lillich, Massillon  
James Kendall Madsen,  
Cleveland Heights  
Herbert Martin, Allegheny, Pa.  
Norma Nance Martina, Columbus  
John Joseph Mastrocingo,  
Crane, Conn.  
Lee Alan Matthews, Houston, Tex.  
David Randall May, Marion  
Stephen Shannon McCampbell,  
Dayton  
Craig Alan McIntyre,  
New Orleans, La.  
Edward Lee Meadows, Columbus  
Russell Edward Merker, Wilmington  
Gary Irwin Miller, Miami, Fla.  
Patrick Mario Minnehan, Fairborn  
Edward Alfred Mizanoski, Jr.,  
Canton  
Jackson Fitzgerald Moses, II,  
Huntington, W. Va.  
Edward James Moxley, Medina  
Norman Ray Myers, Willshire  
James Robin Nichols, Mansfield  
Stephen Joseph Nolan, Columbus  
Terry Douglas Nunn, Greeley, Colo.  
Dennis Alan Obendorf, Uniontown  
Peter Jay Oland, Hartsdale, N. Y.  
Howard Lee Oligee, Milford  
David Luther Overholt, Middle Point  
Robert Anthony Paxton, Jr.,  
Columbus  
Lon Joe Pepple, Findlay  
Lawrence Ira Pollock, Dayton  
Gary Conrad Prasher, Akron  
Joe Orville Richer, Wauseon  
Ronald Carl Rickman, Columbus  
Roger Edward Riviere, Columbus  
Rosario Angelo Rizzo, Dunmore, Pa.  
Danny Gene Rush, Richwood  
William Harry Schmidt, Perrysburg  
Gary Paul Schoenberger,  
Upper Sandusky  
William Earl Schultz, Brecksville  
Bruce Ray Shaver, Chandlersville  
Michael Allen Shope, Barberton

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

Roger Ted Silverman, Brooklyn, N. Y.  
Richard Charles Simon, Columbus  
Stephen Theron Smith, Loudonville  
Stephen Thomas Smith, Massillon  
Larry Ross Snodgrass,  
Salt Lake City, Utah  
William James Starrett, Sidney  
Meredith Blake Stone, Wellington  
Laurence Dyer Story, Columbus  
Mark Strom, Wantagh, N. Y.  
Albert Superczynski, Jr. Columbus  
John David Swinehart, Warren  
Robert Allen Timmons, II, Columbus  
Jay Dean Tucker, Mansfield  
John Bruce Turner, Dayton  
Philip Robert Uhlin, Poland  
Richard E. Vallee, Findlay  
Richard Miller Vetter, Columbus  
Kenneth Richard Ward, South Euclid  
James Lee Wauben, Lima  
Michael Victor White, Lakewood  
Jerry Lynn Winkhart, Navarre  
William Hee Wong, New York, N. Y.  
Carolyn Sue Wootton, Bylesville  
Stanley John Zauha, Jr., Warren  
Gerald Thomas Zelenka, Cleveland

Sarah Kathryn Kirgis, Dayton  
Gail Lauren Klausner, Akron  
Paul James McDermott, Jr., Lima  
Nancy Helene Miller,  
Mayfield Heights  
Sarah Jane Moore, Columbus  
Janice Jean Pajakowski,  
Pittsburgh, Pa.  
Marilyn Doretha Pender, Canton  
Barbara Butcher Reuwee,  
South Solon  
James David Rundle, Macedonia  
George Michael Schreiber,  
Elizabeth, N. J.  
Ann Christine Singerman,  
Parma Heights  
Pamela Jane Smith,  
Indianapolis, Ind.  
John Randolph Spon, Jr.,  
Steubenville  
James Stahlheber, Mansfield  
Susan Lou Stentz, Shelby  
Dirk John Worden, Lorain  
Mary Kathleen Zimmer, Adams Mills

### Bachelor of Science in Agriculture

Forty-nine candidates

Jeffrey Theodore Alexander,  
Wantagh, N. Y.  
Robert Gary Allison, Columbus  
Dennis Clifford Bahmer, Jr.,  
Newcomerstown  
Neil Ivan Beard, Thornville  
Robert Frederick Blake, Cleveland  
B.B.A. (Westminster College,  
Pennsylvania)  
David Leonard Burt, Lancaster  
Thomas Daniel Driscoll, Dublin  
Kim Donald Edwards, Mentor  
David Lee Eppley, Roseville  
John Edwin Everett, Sunbury  
Eddie Walter Fair, West Salem  
J. Fred Feldwisch, Carroll  
Richard Banbury Ford, Brecksville  
Wilbert Charles Geiss, Jr., Homerville  
Peter Scott Gillies, Ann Arbor, Mich.  
Alan Herman Goodman,  
New York, N. Y.  
Charles David Grant, Perrysville  
\*Harold Eugene Karcher, Richwood  
Richard Ronald Kirchner, Findlay  
Lawrence William Koch, Westlake  
Keith Holaday Lacy, Lakewood  
Bruce Joseph Lichtenberger,  
Berkeley Heights, N. J.  
John Thomas Lloyd, Piqua  
David Richard McDaniel,  
Mechanicstown  
Sherman Rahe Mitchell, Rushsylvania  
Richard Fredric Murphy, Cincinnati  
Dennis Loren Nagel, Defiance  
Gary John Nicholson,  
Burlington, Ont., Canada  
Christian Ebom Ofili,  
Anieime, Igbodo, Nigeria  
Kelly Leroy Owens, Ashville  
Gary Allen Rasor, Tipp City  
Jackie Lee Richey, Sardina  
Robert Anthony Rickett, Polk  
William Samuel Ruggles, Wooster  
Kenneth Clarence Ruprecht, Seville  
Joe Richard Sargeant, Sidney  
Marvin Dale Schott, Westerville  
James Philip Searfoss, Worthington  
William Earl Sexten, Groveport  
James Keith Shirkey, Worthington  
Harold Stewart Spiker, Norwich  
Glen Edgar Stewart, Cambridge  
Ralph Harold Stonerock, Bradford  
Michael Chris Ullman, Amherst  
George Emerson VanScoyoc, Deshler  
James Warner Wahl, Georgetown

\* Also Master of Science, Graduate School

## School of Social Work

### Bachelor of Science in Social Welfare

Thirty-five candidates

Constance Marie Adams, Lima  
Barbara Ann Aker, Brookville  
Laurel Anne Bartlett,  
Cuyahoga Falls  
Harvey Alan Baumol,  
University Heights  
Carolyn Buck Beeler,  
Warrensville Heights  
Ann Elizabeth Blackmore,  
Worthington  
Janice Diane Boone, Painesville  
Kathleen Faith Bricker, Columbus  
Cobina Kay Burrell, Jeromesville  
Diane Elizabeth Collopy, Columbus  
Linda Lou Eyerly, Columbus  
Florence Rafter Gibson, Blacklick  
Neila Berzon Goldstein, Canton  
Joyce Estelle Hutchins, Columbus  
Alan Paul Hutchison, Minerva  
Marilyn Anne Jeffers, Fairborn  
Sandra Rowland Johnston,  
Reynoldsburg  
Jane Louise Kern, Columbus

## College of Dentistry

Dean: John R. Wilson

John Howard Wells, Coshocton  
Kathy Jane Wise, Elyria  
Bobai Don Yayock,  
Kagoro-Kafanchan, Kagoro,  
Nigera

### Bachelor of Science in Dairy Technology

One candidate

Gary Alan Wyler, Ashland

### Bachelor of Science in Food Technology

Two candidates

Emery Stephen Okos, Sylvania  
Jatinder Pal Sabhlok,  
Ludhiana, Punjab, India

### Bachelor of Science in Nutrition

One candidate

Robert Gene Vanzant, Hillsboro

Jacqueline Nahodil Smith, Cleveland  
Kathleen Marie Smith, Wakeman  
Marilynne Ruth Snook, Mt. Perry  
Joan Pruski Southworth, Columbus  
Patricia Evelyn Tambling, Akron  
Connie Salts Townsend, Hamden  
Marigale Wonders, Dayton  
Charlene Ann Wyandt, New Haven  
Roberta Ann Zill, Bay Village

### Bachelor of Science in Restaurant Management

Two candidates

Mary Ann Meyers, Mansfield  
Kathleen Fanshaw Ylvisaker,  
Gahanna

### Doctor of Dental Surgery

Four candidates

John Paul Gilboy, Jr., Youngstown  
B.S.  
Douglas James McIntyre, Columbus  
B.A. (Ohio Wesleyan University)  
John Howard Murphy,  
New Philadelphia  
B.S. (Bowling Green State University)  
Lawrence Gregory Schneider, Kenton  
B.S.

## School of Home Economics

### Bachelor of Science in Home Economics

Twenty-five candidates

Janice Miller Apple, Cleveland  
Adrianna Mapes Aylard, Mansfield  
Susan Ann Bell, Columbus  
Jean Augenstein Busch, Ostrander  
Linda Sue Parker Carpenter, Rutland  
LeeAnne Eisenzimmer Caswell,  
Cuyahoga Falls  
Joyce Hemminger Core, Rushsylvania  
Judy VanDemark Downey, Columbus  
Carolyn Virginia Ebersole, Defiance  
Vicki Smith Feldman, Columbus  
Kathleen Elizabeth Foreman,  
Oak Harbor  
Melinda Simonds Grosshart,  
Columbus  
Carole Jean Kelley, Columbus  
Jill Aileen Lawson, Rocky River  
Nancy Harriet Ludwig, Cleveland  
Karen Brosche Schulze,  
Valley Stream, N. Y.

## College of Education

Dean: Luvern L. Cunningham

### Bachelor of Science in Education

Two hundred and sixty-eight candidates

Janet Leslie Abend, Parma  
Nelson Wendell Adderley,  
Philadelphia, Pa.  
Kathleen Alicia Addlesperger,  
Lexington  
Bode Akinwale Adeoye,  
Okemessi, Nigeria  
Roger Neasley Allen, Galion  
Rodney Wilder Allwood, Lucasville  
Dean Alan Appleman, Columbus  
Sherri Ries Archer, Barberton  
Robert Edgar Babione, Columbus  
Kathryn Hook Bangart, Springfield  
\*Nancy Armeen Bartell,  
Great Neck, N. Y.  
June Shearer Bauer, Galion  
Patricia Delaplane Beatty, Greenville  
June Kear Bentley, Marion  
David Joseph Benyi, Columbus  
Glen Edward Bernhardt, Norwalk  
Linda Higgins Berthold, Columbus  
Janice Eve Biederman, Cleveland  
Jeffrey Homer Bigam, Circleville  
Nancy Deason Billman, Columbus  
Michael Thomas Black, Wooster  
Karon Jean Blanton, Columbus  
Ellen Sandra Block,  
Plainview, N. Y.  
William Edward Bokerman, Jr.,  
Napoleon  
Darlene Stiles Bontrager,  
Wapakoneta  
Margaret Ann Botchie, Columbus  
Richard Norman Bratt, Wellsville  
Barta Kay Brediger, Chardon  
Lois Margaret Brigleb, Painesville  
Michael Anthony Brun, Dayton  
Charles Robert Burns, Jr., Columbus  
Christine Haley Buvinger, Dayton  
Diana Mead Carmichael, Columbus  
Patricia Ann Carpenter,  
Canal Winchester  
Robert Jethro Carper, Ashley  
Sandra Holben Castle, Dublin  
Douglas McArthur Catron, Columbus  
Karen Young Caw, Zanesville  
Patricia Ann Charleck, Mansfield  
Sanford Leslie Charyn,  
Cleveland Heights  
Sue Van Atta Chu, Oak Harbor  
Susan Cecil Ciecone, Fremont  
Marleen Sue Clayton, Croton  
George Philip Clingerman, Columbus  
Jennifer Junker Cockrum, Akron  
Marsha Ann Collins, Columbus  
Patricia Ann Conard, London

Roger Parron Conley,  
Bradenton, Fla.  
Donald Ross Cope, Leetonia  
Mary Cathrine Copitka, Steubenville  
Gilda Cowan, Brighton, Mass.  
Colette Geffroy Cowen, Columbus  
Charles Ray Cozad, Cedar Rapids, Ia.  
Pamela Sue Cummings, Lima  
Diana May Dall, Butler  
Cheryl Lynn DeBolt, Marion  
George Franklin DeHaas, Greenfield  
Stephen Craig Dibert, Ohio City  
Nancy Ann Dickson, Worthington  
Mary Morehart Dietz, Mt. Sterling  
Helen Ann DiPietro, Columbus  
Victor Paul Doritan, Columbus  
Jacqueline Ann Dorrell, Toledo  
Donavin Dean Dunbar, Jr., Ada  
Elizabeth Ann Rolfe Dwyer,  
Columbus  
Frieda Carlotta Elnor,  
Shaker Heights  
Judy Cobb Emerich, Oberlin  
Carol Annette Evans, Steubenville  
Mark Alan Ewing, Bellefontaine  
Sue Ellen Fetterman, Pittsburgh, Pa.  
Nan Elizabeth Fisher, Lima  
Cynthia Anne Flacks, Dayton  
Hazelanne Patricia Flowers,  
Columbus  
Scott Clinton Ford, Toronto  
Mildred Clark Frasca, Galion  
John Randolph Freeman, Lorain  
Diana Kay French, Alvada  
Victoria Montavon Frowine,  
Portsmouth  
Roslyn Fuerman, Dover  
Constance Lynn Garfinkel,  
Cheltenham, Pa.  
Carol Wright Garrison, Columbus  
John Joseph Gilkerson, Jr., Columbus  
Linda Lee Gleckler, Lyons  
Gerald Arthur Gochenour, Springfield  
Suzanne Godsey, Dayton  
Harold Fredrick Goff, Columbus  
Norma Jean Gongwer, Mansfield  
Beverly Suzanne Goodrich, Galena  
Janet Elaine Grant, Kettering  
Chris Alan Graves, Groveport  
Cathy Lynn Gravitt, Cincinnati  
Mary Ellen Gruber, Columbus  
Karen Kay Guest, Perrysburg  
Gilbert Scott Guiler,  
Canal Winchester  
Elliott Randolph Guttmann,  
Columbus  
Carolyn Cornelius Hainer,  
Westerville  
Sara Swern Hall, Cambridge

Harvey Bruce Handler, Columbus  
James John Harbuck, Cleveland  
Emerson Macaulay Harewood, Jr.,  
Dayton  
Terry Lee Hartley, Edison  
Katheline Cecile Hartstein, Mansfield  
Linda Little Harvey, Marysville  
Mary Rohrkemper Hatcher, Columbus  
Edith Ann Haycook,  
Canal Winchester  
Toni Jo Heinbuch, Canton  
David Lee Henderson, Wapakoneta  
Susan Kathryn Herald, Youngstown  
Jeffrey Charles Herman, Columbus  
Larry Randall Hicks, Lima  
Ann Elizabeth Hilderman,  
Rocky River  
David John Hime, Sandusky  
Thomas Conlon Hohman, Xenia  
Mary Halsey Hosenfeld, Willoughby  
Catherine Schager Howell, Cleveland  
Myron John Hren, Parma  
Cheryl Dunfee Hubay, Chagrin Falls  
Rudolph Lanier Hubbard, Hubbard  
John Kenneth Hughes, New Vienna  
Mary Elizabeth Hughes, Shelby  
Kay Austermler Hunter,  
Green Springs  
Linda Varley Hunter, Columbus  
Starling Atwell Hutt, Columbus  
Beverly Ann Jacobs, Cincinnati  
\*David Gerald Javitch,  
Cleveland Heights  
Brenda Mary Johnson, Circleville  
Mary Susan Jones, Middletown  
Mary Rita Junglas, Lima  
Lynn Altman Kanner, Canton  
Cheryl Holly Katzman, Cleveland  
Jacqueline Hofmann Kellogg,  
Bellefontaine  
Kathleen Ann Kienle, Columbus  
Debra Jones King, Gahanna  
Thomas Clifford King,  
Falls Church, Va.  
Mark Harold Klein, Tucson, Ariz.  
Nancy Ann Knapp, Columbus  
Diane June Knoblauch, Elmore  
Eileen Kohn, University Heights  
Nicholas John Kozimor, Lakewood  
Sally Jane Krauss, Columbus  
Nancy Stahler Kray, Akron  
Linda Coakley Krieger, Columbus  
Glennis Elbert Lambert, Mansfield  
Randall Carl Lathwell, Lorain  
Jerry William Lawson, Lima  
Sharon Starr Lemak, Brecksville  
Barbara Elethea Locke,  
Kingston, Jamaica

\* Also Bachelor of Arts, Colleges of the Arts  
and Sciences

Kathlene Athene Loufakis, Warren  
 Linna Piersol Lowry, Tiffin  
 \*Mary Carole Ward Macklin,  
 Columbus  
 Barbara Pankuch MacLaury,  
 Cleveland  
 Lilli Elizabeth Mann,  
 Livingston, N. J.  
 \*Allen James Marabito, Cleveland  
 Sharon Kay Marshall, Mansfield  
 Sharon Nathanson Mart,  
 Miami Beach, Fla.  
 Pamela Martin Maxwell, Marion  
 Robert Glenn McCally, Dayton  
 Beverly Monroe McCray, Pataskala  
 Celeste Alayne McMullen,  
 Bellefontaine  
 Nadyne Simpson Meldahl, Granville  
 Sherry Tetelman Mendelsohn,  
 Lyndhurst  
 Dennis Irvin Mendelson, Columbus  
 David Gilbert Meyer, Marysville  
 Beverly Sue Miller, Elida  
 Janice Ellen Miller, Kent  
 Linda Halley Miller, Wilmington  
 Patricia Jane Miller, Findlay  
 Dwight Jackson Mitchell, Orrville  
 Becky Hill Moser, Fairport Harbor  
 Jean Ann Murphy, Columbus  
 Patsy Ankerman Murray, St. Marys  
 Katherine Donagh Nash, Vandalia  
 Carl Leonhard Nesbitt, Vandalia  
 Lee Newman Nesbitt,  
 New Milford, N. J.  
 Judith Kaye Novine, Euclid  
 Gwendolyn Mountney O'Dette,  
 Columbus  
 Linda Ann Ofrenzo, Columbus  
 James Timothy Oliver, Urbana  
 Vivian Rice Parker, Columbus  
 Joseph Michael Pauff, Lima  
 Pamela Elaine Perdue, Xenia  
 Kendal Allen Petry, Richmond, Ind.  
 Margaret Workman Pierce, Gahanna  
 Madeline Grace Piper, Celina  
 Sally Ellen Podolski, Columbus  
 Ann Marguerite Poeppelman, Minster  
 Sharon Nan Pogash,  
 Maplewood, N. J.  
 Jacqueline Goldberg Ponsky,  
 Shaker Heights  
 Susan Smart Porterfield, Worthington  
 Frederic Andrew Portman, Columbus  
 Edwin Lawrence Pry, Crestline  
 Miriam Eileen Purcell, Cincinnati  
 Stephen James Ramsey, Ashland  
 Phyllis Walden Ransaw, Delaware  
 Kanute Parker Rarey, Kenton  
 Gary Wayne Rees, New Philadelphia

Janis Brunk Reiff, Kettering  
 Andrea Helene Rich, Brooklyn, N. Y.  
 Lee Stanford Robb, Columbus  
 Marilyn Jane Robinson, Dayton  
 Sharon Kay Robinson, Springfield  
 Elaine Estella Roll, Lima  
 Harold Glenn Ross, Mansfield  
 Joan Molitor Roth,  
 Stone Mountain, Ga.  
 Sherry Weintraub Rubins, Cleveland  
 Robert Anthony Rudolph, Columbus  
 Rex William Russell, Cincinnati  
 Shirley Royer Rust, Columbus  
 Carol Foeller Rutti, Columbus  
 Annabeth Marie Saunders, Cleveland  
 Patricia McDonald Saylor, Columbus  
 Jean Carol Schmunk, Mansfield  
 Frederick Philip Schnitzspahn,  
 Columbus  
 Steven Charles Schorger, Newark  
 Ronald David Schott, Caldwell  
 Claire Elizabeth Schubel, Sandusky  
 Merrill Ferris Schulz, Columbus  
 Leonard Eugene Schumann,  
 Wapakoneta  
 B.S. in Agr.  
 Mollie Louise Scott, Newark  
 Barbara Mansky Seewald,  
 University Heights  
 Thomas Louis Selby, Columbus  
 James Donald Shaffstall, Bucyrus  
 Ellen Dalrymple Shultz, Mt. Vernon  
 Ruth Marie Shuy, Coshocton  
 Linda Sue Simpson, Newark  
 Davey Ann Singer, New York, N. Y.  
 Patricia Ann Singer, Cleveland  
 Carolyn Lucille Slane, Columbus  
 Victoria Louise Smith, Muncie, Ind.  
 Scott Allan Spears, Springfield  
 Judith Lynn Steinmetz, Euclid  
 David Lawrence Stewart, Columbus  
 Mark Howard Stier, Louisville  
 \*Harlan William Stine,  
 Walnut Creek, Calif.  
 Cynthia Lee Streeter, McDonald  
 Cheryl Ann Striker, Lorain  
 John Lester Suttle, Long Bottom  
 Sue Ellen Switzer, Forest  
 Virginia Marsh Szabo, Columbus  
 Mary Kay Tanner, Marion  
 Linda Jean Tatman,  
 Washington C. H.  
 Jane Terjesen, Akron  
 Linda Gulker Thompson, Lima  
 Carol Joyce Tieber, Parma  
 Diana Lynn Tippie, Lima  
 Penny Louise Trethewey, Newark  
 Audrey Cornwell Trotter, Columbus  
 Ann Christine Voss, Bellefontaine

Dennis Richard Walters, Worthington  
 Ann Edison Walz, Fostoria  
 George William Weimer, Loudonville  
 Joan Zatman Weinberger,  
 Pittsburgh, Pa.  
 Marjorie Anne Weinstein,  
 Birmingham, Ala.  
 Cheryl Ann Welch, Cincinnati  
 Kay Randis Westinghouse, Columbus  
 Danise Marie White, Columbus  
 Martha Dimick White, Granville  
 \*Mary Rita Whitehead, Columbus  
 Margaret Lenore Williams,  
 Presque Isle, Me.  
 Janice Morse Wingham, Columbus  
 Dolores Leis Winters, Marysville  
 Susan Shepard Wircenski, Elyria  
 Colene Sue Wiseley, Findlay  
 Virginia Sindel Witte, Edgerton  
 Susan Lynn Wotowski, Cleveland  
 Jeffrey Steven Young, Pepper Pike  
 Lee Anne Powers Young, Columbus  
 Rosalyn Young, Cleveland

\* Also Bachelor of Arts, Colleges of the Arts  
 and Sciences

College of Engineering

Dean: Harold A. Bolz

Bachelor of Aeronautical and Astronautical Engineering

Three candidates

- Bruce Andrew Christian, Westerville
- \*Keith Eugene Crawford, Canal Fulton
- \*Thomas Jeffrey McLaughlin, Worthington

Bachelor of Ceramic Engineering

Five candidates

- \*Joseph Michael Eller, Newark
- \*Robert Walter Matz, Westerville
- \*Galen David Powers, Genoa
- \*James William Randall, Portsmouth
- Timothy Arthur Sullivan, Columbus

Bachelor of Chemical Engineering

Nine candidates

- Wayne Earnest Ballantyne, Columbus
- John Henry Becher, Louisville, Ky.
- James Francis Dietz, Botkins
- Ronald James Emmert, Cincinnati
- Smith Eugene Howland, Haverhill
- Robert Dwayne Litt, Mt. Vernon
- David Louis Mundhenk, Dayton
- Geoffrey Allan Prentice, Windsor
- Steven Edward Russell, Newcomerstown

Bachelor of Civil Engineering

Two candidates

- Daniel Arbie Hutchinson, Walbridge
- \*William Allan Watkins, Columbus

Bachelor of Electrical Engineering

Fourteen candidates

- James Eugene Buehler, Columbus
- Robert William King, Dayton
- \*James William Kirkpatrick, Jr., Columbus
- James M. Lawson, Parma
- Ladd Alfred Masek, Willoughby
- \*Thomas L. Niemeyer, Sidney

- Dennis Hess Shreve, Woodsfield
- Alvin Wayne Strong, Dayton
- \*Richard Marker Swanson, Columbus
- Carl William Vernon, Columbus
- Jeffrey Lynn Waltz, Bay Village
- Terry Stuart Warner, Union
- Carl Albert Yale, Jr., Lakeview
- Mark Anthony Yungfleisch, Columbus

Bachelor of Industrial Engineering

Six candidates

- William Eugene Black, Blanchester
- \*Donald Leon Byrkett, Kettering
- Terry Odell Collier, Shaker Heights
- R. Lawrence Koehl, Columbus
- William Edwin Sattler, Columbus
- Errol Howard Solomon, Warrensville Heights

Bachelor of Science in Industrial Engineering

Three candidates

- Thomas Clayton Belter, Columbus
- Gary Dean Herrin, Bellbrook
- John Winston Hussey, Cleveland

Bachelor of Mechanical Engineering

Three candidates

- Reinhold Betsch, Columbus
- Richard E. Wagner, Navarre
- John Michael Watkins, Hilliard

Bachelor of Science in Mechanical Engineering

Two candidates

- Richard John Kadunc, Euclid
- Mark John Sever, Delphos

Bachelor of Metallurgical Engineering

One candidate

- Jerry Dean Thomas, Sandusky

Bachelor of Science in Physics

Three candidates

- Stephen Eugene Caldwell, Libertyville, Ill.
- Jay Glenn Horowitz, South Euclid
- William Dennis Munk, Columbus

Bachelor of Science in Engineering Physics

One candidate

- John Christopher Chapman, Erie, Pa.

Bachelor of Welding Engineering

One candidate

- \*Elliot Bennett Ross, Cleveland

School of Architecture

Bachelor of Architecture

One candidate

- John Lowell Solether, Fostoria

Bachelor of Science in Architecture

Three candidates

- Larry Wayne Alwood, Butler, Ind.
- Richard Lee Hess, Euclid
- William Dean Robson, East Liberty

\* Also Master of Science, Graduate School

College of Medicine

Dean: Richard L. Meiling

Doctor of Medicine

Six candidates

Edwin Gilbert Davy, Dayton  
B.A. (Northwestern University)  
Thomas Gharet Ebner, LaFayette  
B.S.  
James Philip Harnisch, Poland  
B.S. (University of Notre Dame)  
Walter Sidney Lenney, Oil City, Pa.  
B.S.  
Mark Michael Popil, Hudson  
B.S. (Judison University)  
David Ellis Radebaugh, Lima  
B.S.

Bachelor of Science in  
Occupational Therapy

Ten candidates

Carole Ann Allshouse, Findlay  
Bonnie Lynn Cook, Dayton  
Linda Katherine Cryder, Kingston  
Bettianne Greene, Cincinnati  
Sharon Andrea Herzog,  
Valley Stream, N. Y.  
Judith Lynn Hinig, New Philadelphia  
Helene Bendix Hirsch,  
Shaker Heights  
Judith Marie Snyder, Dayton  
Judith Ann Speckman, Coshocton  
Linda Louise Steiner, Piqua

School of Allied Medical  
Professions

Bachelor of Science in  
Medical Illustration

One candidate

Kathleen Lee Peate, Bay Village

Bachelor of Science in  
Physical Therapy

Five candidates

Carole Jean Copen, Geneva  
Judith Ann Hostetler, Wooster  
Catherine Josephine Luchini,  
Beckley, W. Va.  
William Murl Morris, Gahanna  
Sandra Kay Shearer, Springfield

Bachelor of Science in  
Medical Technology

Thirteen candidates

Debra Lynn Cohen, Savannah, Ga.  
Jean Roettig Kimpel, Cincinnati  
Maxine Delores Knopp, Akron  
Carol Ann Lewis, Mansfield  
Susan Helen Moffitt, Westerville  
Marilyn May Murphy,  
Cuyahoga Falls  
Inara Baiba Petritis, Defiance  
Cynthia Ann Preebe, Cincinnati  
Pamela Anne Robinson,  
Flossmoor, Ill.  
Danya Joyce Schiappa, Steubenville  
Joyce Elizabeth Troxell, Worthington  
Teresa Pfaff Tulumaris, Marietta  
Karen Elaine Wagner,  
Bryn Mawr, Pa.

Certificate of Graduate  
Physical Therapist

Three candidates

Beverly Ann Ewan, Parma  
Dennis Wayne Meyer, Defiance  
B.A. (Miami University)  
Marcia Lynn Walker, Hudson  
B.A. (Gettysburg College)

Certificate of Nurse Anesthetist

One candidate

Jane Helen Clark, Cuyahoga Falls

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

One candidate

Stanley Francis Pietrzak, Jr.,  
Campbell, N. Y.

## School of Nursing

### Bachelor of Science in Nursing

Forty-eight candidates

Louise Ann Anderson, Toledo  
Judith Elaine Auker, New Lexington  
Lydia Bahnij, Cleveland  
Sharon Matz Black, Wooster  
Sue Horstman Butterfield, Scio  
Mary Kay Carroll, Lakewood  
Jane Beth Case, Kenton  
Margaret Lynn Cline, Grove City  
Barbara Jean Coleman, Dayton  
Ellen Jane Conway, Cleveland  
Linda Evans Crane, Elyria  
Karol Marie Deutschlander,  
Strongsville  
Mary Egbert Dillard, Portsmouth  
Darlene Sue Dilsaver, Galion  
Mary Jo Caroline DiSabato,  
Columbus  
Judith Mae Fox, Shaker Heights  
Pamela Rae Gambill, Newark  
Frazene Rose Gladieux, Toledo  
Lois Kemp Glanville, Valley City  
Martha Ann Goodan, Dayton  
Connie Mae Hahn, Hamler  
Cynthia Diane Herriott, Crooksville  
Karen Louise Holub, Brook Park  
Janis Lynn Hutchison, Columbus  
Martha Jean James, Marion  
Sheila Ethelyn Kay, Cleveland  
Anna Ruth Lemon, Wheelersburg  
Drema Mae Lovely, Lucasville  
Nancy Jo Magel, Springfield  
Janis Grandy Martin,  
Williamsville, N. Y.  
Patricia Rotter Ogden, Dayton  
Linda Jean Percy, Lima  
Jean Elizabeth Robinson,  
Cleveland Heights  
Susan Scono Robinson, West Jefferson  
Janice Wylie Roof, New Carlisle  
Shirley Anne Rubino, Lisbon  
Cinda Lee Starr, Fort Dodge, Ia.  
Ellen Weiner Stern, Cleveland  
Brenda Mae Stoller, Oakwood  
Sharon Ruth Stout, Westerville  
Joyce Gale Szekelyi, Seven Hills  
Elizabeth Tripp Teague, Portsmouth  
Dorothy Jean Tubbs, Lakewood  
Cheryl Pearson VanDeusen,  
Ashtabula  
Linda Jennie Wallace, Canton  
Glenda Susan Weintraub, Toledo  
Elizabeth Wittman, Toledo  
Judith Ann Zack, Richmond Heights



## Graduates with Honors

### Summa Cum Laude

June Shearer Bauer, Galion  
John Henry Becher, Louisville, Ky.  
Margaret Ann Botchie, Columbus  
Dennis Neil Breiter, Yellow Springs  
Donald Leon Byrckett, Kettering  
Keith Eugene Crawford, Canal Fulton  
Barbara Bock Daft, Columbus  
Helen Ann DiPietro, Columbus  
Frank Anthony Fratoe, Cleveland  
Nancy Sue George, Plain City  
Charlotte Ashley Herman, Ada, Okla.  
Jacqueline Hofmann Kellogg,  
    Bellefontaine  
Thomas L. Niemeyer, Sidney  
Patricia Rotter Ogden, Dayton  
Jerome Anthony Robson, East Liberty  
Joan Molitor Roth,  
    Stone Mountain, Ga.  
Karen Sue Schrock, Middletown  
Dennis Hess Shreve, Woodsfield  
Sharon Ruth Stout, Westerville  
Alvin Wayne Strong, Dayton  
Richard Marker Swanson, Columbus  
Audrey Cornwell Trotier, Columbus  
Richard E. Wagner, Navarre

William Allan Watkins, Columbus  
Michael Victor White, Lakewood  
Gary Lester Williams, Bay Village

### Cum Laude and with Distinction in Economics

Thomas John Kniesner,  
    Garfield Heights

### Cum Laude and with Distinction in English

Larry Philip Rima, Falls Church, Va.

### Cum Laude and with Distinction in German

Leonard Elmore Newman, Columbus

### Cum Laude and with Distinction in Theatre

Michael Oden Wynkoop, Norwalk

### Cum Laude

Judith Elaine Auker, New Lexington  
Samuel Mark Baker, Columbus  
Mildred Clark Frasca, Galion  
Florence Rafter Gibson, Blacklick  
Harold Fredrick Goff, Columbus  
Sharon Andrea Herzog,  
    Valley Stream, N. Y.  
Katherine Hine, Columbus  
Karen Louise, Holub, Brook Park  
Francis Leo Kolarik, Jr., Roslyn, Pa.  
Larry Richard Leard, Warren  
Lee Irwin Leavitt, Cleveland Heights  
Robert Walter Matz, Westerville  
Stephen Shannon McCampbell,  
    Dayton  
Thomas Jeffrey McLaughlin,  
    Worthington  
Sherry Tetelman Mendelsohn,  
    Lyndhurst  
Jean Ann Murphy, Columbus  
Gwendolyn Mountney O'Dette,  
    Columbus  
Kenneth Lee Penix, Akron  
Rosario Angelo Rizzo, Dunmore, Pa.  
David Michael Rose, Cleveland  
Elliot Bennett Ross, Cleveland  
Judith Ann Speckman, Coshocton  
Ira Bennett Sully, Reynoldsburg

### With Distinction in Agricultural Education

Harold Eugene Karcher, Richwood

### With Distinction in Animal Science

Richard Banbury Ford, Brecksville

### With Distinction in Philosophy

James Michael Blue, Columbus

### With Distinction in Psychology

Robert Andrew Parker, Columbus

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, August 12, 1969

Pursuant to Article I, Section 2, of the By-Laws of the Board of Trustees of The Ohio State University, the Board met upon the call of the Chairman, John G. Ketterer, in a special meeting on Tuesday, August 12, 1969.

Present: John G. Ketterer, Chairman, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Jack G. Gibbs, Frederick R. Eckley and John W. Bricker.

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August 12, 1969 special meeting, Board of Trustees

I. GENERAL RECOMMENDATION

A. Supplemental Action on the Budgets for the 1969-70 Fiscal Year

President Fawcett made the following statement and recommendation:

On July 31, 1969, this Board, based upon the best information that was available to it at that time, increased the student Instructional Fee by \$25 per quarter to a level of \$170, the General Fee by \$5 per quarter to \$30 and the Tuition Fee (out-of-state surcharge) by \$150 per quarter to a level of \$350, all effective with this coming Autumn Quarter. While at that time neither the appropriations bill nor the Civil Service pay raise bill had been enacted by the General Assembly, such action was essential so that the registration process could begin without delaying the starting date of Autumn Quarter, 1969. The establishment of this fee schedule was contingent upon final action by the General Assembly. This fee and tuition schedule was established to support the level of expenditure required by the minimal continuation budget authorized by the Board of Trustees at its June, 1969, meeting. This level of spending had been based on the following information:

1. On August 29, 1968, The Ohio State University submitted a detailed biennial budget to the Ohio Board of Regents requesting a level of subsidy support for 1969-70 in the amount of \$69,838,572 which was some \$20,000,000 less than the "asking budgets" of the individual units of the University.
2. On January 10, 1969, the Board of Regents recommended a subsidy for The Ohio State University in the amount of \$59,898,500. This amount required cutbacks in the University's proposed new and improved programs in the amount of approximately \$10,000,000.
3. On February 5, 1969, the Governor's recommendation as released by the Board of Regents called for a subsidy of \$58,050,250.

Had the subsidy as recommended by the Regents or by the Governor been provided, only minimal fee and tuition increases would have been necessary to provide the \$58,858,100 budget approved by the Trustees, plus the additional funds required to meet the Civil Service pay increase bill. Subsequent to the June Board meeting, it became apparent that there would be a substantial reduction in the anticipated subsidy provided by the General Assembly and that additional funds would be required to cover the cost of mandated pay increases for Civil Service employees. The fee and tuition increases acted upon at the July meeting by the Board of Trustees were based upon our best estimates of the situation at that time. Since this meeting,

August 12, 1969 special meeting, Board of Trustees

I. GENERAL RECOMMENDATION (continued)

A. Supplemental Budgets for the 1969-70 Fiscal year (continued)

the Educational Appropriations Act has been passed by the General Assembly providing a subsidy of \$55,046,550 which leaves this University with a total deficit from the minimal continuation budget plus the mandated Civil Service pay increases in the amount of \$4,711,550. At the same time the General Assembly established a limit on the Instructional Fee for undergraduates in the amount of \$160 per quarter.

To provide the funds necessary to support the difference between our minimum continuation budget needs and the subsidy provided by the State and at the same time to bring our Instructional Fee in line with the level established by the General Assembly, I am now requesting that the July action of the Board establishing fee and tuition levels for this coming academic year be amended as follows:

1. That the Instructional Fee be decreased by \$10 per quarter for the main campus.
2. That the General Fee be increased by \$10 per quarter for the main campus.
3. That the other fee actions be sustained as approved on July 31, 1969.

It should be noted that these amendments will not in any way alter the total charges to resident students previously authorized by the Board at the \$200 level per quarter. At the same time it should be noted that the General Fee will still be below the maximum level of \$50 suggested by the General Assembly.

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the above recommendations were approved and the Instructional Fee increase of \$15 per quarter on the main campus and the increase of \$5 per quarter at the University branches and the Tuition (out-of-state surcharge) increase of \$150 per quarter be referred to the Ohio Board of Regents for ratification by unanimous roll call vote.

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Thereupon the Board adjourned.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

Schedule of Student Fees, Effective Autumn Quarter, 1969

College or School	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Administrative Science	\$160	\$40	\$200	\$350	\$550
Agriculture and Home Economics	160	40	200	350	550
Arts and Sciences					
The Arts	160	40	200	350	550
Biological Sciences	160	40	200	350	550
Humanities	160	40	200	350	550
Mathematics and Physical Sciences	160	40	200	350	550
Social and Behavioral Sciences	160	40	200	350	550
Education	160	40	200	350	550
Engineering	160	40	200	350	550
Graduate School	160	40	200	350	550
Dentistry	280	40	320	350	670
Dental Hygiene and Dental Laboratory Technology	208	40	248	350	598
Law*	195	40	235	350	585
Medicine**	300	40	340	350	690
School of Allied Medical Professions	160	40	200	350	550
School of Nursing	160	40	200	350	550
Optometry	198	40	238	350	588
Pharmacy	166	40	206	350	556
Veterinary Medicine	200	40	240	350	590
University College	160	40	200	350	550
University Branches	150	25	175	350	525

\*Includes an additional \$7.00 Law Library Fee.

\*\*Pursuant to action of the Board of Trustees on January 14, 1965, third- and fourth-year students enrolled in the Doctor of Medicine degree program of the College of Medicine are enrolled in a year-round program of courses and are assessed fees on an annual basis payable in two installments, June 15 and December 15. The annual rate for such resident students for the 1969-70 academic year shall be \$1,020.00 for resident students and \$2,070.00 for non-resident students.

Part-time students (those enrolled for six or less credit hours or enrolled for one term of a Summer Quarter), shall be assessed one-half of the full fees. When fees are not evenly divisible, they shall be assessed to the next even dollar amount.

All other fees previously approved by the Board of Trustees shall remain unchanged.

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 11, 1969

The Board of Trustees met at its regular monthly meeting on Thursday, September 11, 1969, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, William C. Safford, John H. Dunlap and M. Merle Harrod.

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Minutes of the last regular meeting (July 31, 1969) and the special meeting (August 12, 1969) were approved.

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Mr. Ketterer, Chairman, introduced the new member of the Board of Trustees, Mr. M. Merle Harrod, Wapakoneta, Ohio, who was appointed by Governor James A. Rhodes, to succeed Mr. John W. Bricker, for the term beginning September 2, 1969 and expiring May 13, 1978.

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In response, Mr. Harrod expressed his pleasure at being appointed to the Board and stated that he was looking forward to his service as a Board member.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Insurance Program for Faculty, Staff  
and All Regular Employees

President Fawcett presented on behalf of the Retirement and Insurance Committee a resolution amending the insurance program for faculty, staff and all regular employees insured under the John Hancock Mutual Life Insurance Company major medical contract, Policy Nos. 58175-GTC and 58175-GTC-100. The following resolution was recommended for adoption:

Be it resolved by the Board of Trustees of The Ohio State University, that the John Hancock Mutual Life Insurance Company major medical insurance program for faculty, staff and all regular employees be amended, effective for all purposes as of October 1, 1969, to include the following changes:

- (a) Maximum benefit under the major medical plan to be increased from \$15,000 to \$25,000 per person.
- (b) The deductible for insured persons with full Base Plan (Blue Cross-Blue Shield) coverage to be reduced from \$200 to \$100. The deductible for insured persons with partial or no coverage under the Base Plan will remain unchanged at \$500.
- (c) Extended Care Facilities coverage to be added to the major medical plan as follows:

Covered charges (to which the 80% coinsurance provision applies) shall include the reasonable and customary charges for services and supplies (as defined) of a "qualified" Extended Care Facility, provided that confinement in an Extended Care Facility resulted by means of direct transfer from a hospital in which the patient was confined for a minimum of three consecutive days, and further provided that such confinement is for continued care of the same condition or conditions which resulted in hospital confinement. The maximum



September 11, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

A. Insurance Program for Faculty, Staff  
and All Regular Employees (continued)

coverage in an Extended Care Facility is up to 60 days per period of disability. The maximum covered expenses for daily room and board charges in the Extended Care Facility is 50% of the semi-private room charge of the hospital in which the prior confinement took place.

Other covered charges to be included under the Extended Care Facility coverage while room and board benefits are payable include: routine nursing care, physical, occupational or speech therapy, medical social services, biologicals, supplies and appliances, diagnostic and therapeutic services and ambulance services.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the Board of Trustees adopted the above resolution by unanimous voice vote.

B. Change of Trustee, The Ohio Legal Center

In compliance with the Code of Corporate Regulations of The Ohio Legal Center, President Fawcett recommended that Professor Robert Nordstrom be reappointed a Trustee of the Legal Center, effective immediately. Professor Nordstrom will replace Professor Leo J. Raskind who served during the past academic year.

Upon motion of Mr. Harrod, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendation by unanimous voice vote.

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II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the July 31, 1969 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Promotions, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary and Emeritus Title:

A. Promotions

Charles W. McLarnan from Professor in the Department of Mechanical Engineering to Executive Assistant to the Vice President for Academic Affairs and Provost, effective September 1, 1969, at a salary of \$20,076.00 per annum. Dr. McLarnan will continue to hold a Professorship in the Department of Mechanical Engineering at No Salary.

September 11, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Promotions (continued)

Kenneth L. Bader from Associate Dean of Students to Dean of Students, effective October 1, 1969, at a salary of \$18,888.00 per annum. Dr. Bader will continue to hold a Professorship in the Department of Agronomy at No Salary.

Carroll A. Swanson from Professor, College of Biological Sciences - Organismic and Developmental Biology, to Associate Dean (part time - 50 percent) in the College of Biological Sciences, and Professor (part time - 50 percent) in the College of Biological Sciences - Organismic and Developmental Biology, effective August 1, 1969, at a combined salary of \$23,772.00 per annum.

William R. Wallace from Associate Professor in the College of Dentistry to Assistant Dean and Associate Professor in the College of Dentistry, effective October 1, 1969, at a salary of \$21,168.00 per annum.

Orlo L. Musgrave from Assistant Director and Professor in the Ohio Cooperative Extension Service to Acting Associate Director and Professor in the Ohio Cooperative Extension Service, effective September 1, 1969, at a salary of \$25,008.00 per annum. Dr. Musgrave will continue to hold a Professorship in the Department of Agronomy at No Salary.

B. Appointments

James D. Carroll, Professor, College of Administrative Science - Public Administration, effective October 1, 1969, at a salary of \$20,208.00 per annum.

Stanley J. Kahrl, Professor, Department of English - Center for Medieval and Renaissance Studies, effective October 1, 1969, at a salary of \$17,088.00 per annum.

Donald Reed Washington, Professor, Department of Civil Engineering, effective September 1, 1969, at a salary of \$22,488.00 per annum.

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named person was recommended for Leave of Absence With Salary from the Cooperative Extension Service for the period indicated:

September 11, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Leave of Absence With Salary (continued)

James C. Mabry, Instructor (County Extension Agent, 4-H), Cooperative Extension Service, effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at The Ohio State University.

D. Leaves of Absence Without Salary

Ram Prakesh Bambah, Professor, Department of Mathematics, effective October 1, 1969 through March 31, 1970, to do research and participate in the instructional program at Punjab University, Chandigarh, India.

Alexander M. Main, Professor, School of Music, effective October 1, 1969 through September 30, 1970, to do research and writing.

John W. Sharp, Professor, Department of Agricultural Economics and Rural Sociology and the Cooperative Extension Service, effective August 1, 1969 through November 30, 1969, to serve as a special consultant on a Vietnam Grain Storage and Handling Study for US/AID.

Thomas T. Stout, Professor, Department of Agricultural Economics and Rural Sociology, effective August 1, 1969 through June 30, 1970, to do research in livestock marketing, U. S. Department of Agriculture, Economic Research Division.

Eugene R. Capriotti, Associate Professor, Department of Astronomy, effective October 1, 1969 through September 30, 1970, for a year of study at the Steward Observatory, Tucson, Arizona.

Laura Hill Chapman, Associate Professor, College of The Arts - Division of Art Education, effective October 1, 1969 through September 30, 1970, to do research in the methods of teaching art in public school systems.

Bruce W. Marion, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective August 16, 1969 through June 30, 1970, for study and research at Harvard University.

September 11, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary (continued)

Louis W. Stern, Associate Professor, College of Administrative Science - Marketing, effective October 1, 1969 through September 30, 1970, to teach at the University of California at Berkeley.

Elmer L. Good, Assistant Professor, School of Social Work, effective October 1, 1969 through June 30, 1970, to pursue studies for his doctoral degree.

Jeanette Zupancic, Assistant Professor, School of Social Work, effective October 1, 1969 through September 30, 1970, for study in areas of special interest and to travel.

Mary R. Corcoran, Instructor (County Extension Agent, Home Economics) Greene County, Cooperative Extension Service, effective September 1, 1969 through April 30, 1970, to be an IFYE delegate to Ethiopia, Africa.

Katharine G. Hoch, Instructor, Department of English, effective January 1, 1970 through March 31, 1970, for travel.

E. Emeritus Title

Henry P. Worstell, Department of Surgery, with the title Instructor Emeritus, effective July 1, 1969.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Promotions, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

S U M M A R Y

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	28	\$2,957,534.00
Industrial and Other Research	6	52,078.76
<u>Grants</u>		
Government Research - Federal	27	675,169.00
Government Research - State	1	54,000.00
Industrial and Other Research	5	60,617.00
Totals	67	\$3,799,398.76

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of the Navy, Office of Naval Research, Washington, D. C., Nonsimilar Solution of Binary Boundary Layers (to be known as Office of Naval Research Project No. 2362 - Amend. AB - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$34,000.00.
- b. Headquarters, U. S. Army Missile Command, Redstone Arsenal, Alabama, Land Combat Models (to be known as U. S. Army Missile Command Project No. 2376 - Mod. #8 - Engineering Experiment Station).  
Gross Value - \$99,221.00.
- c. Headquarters, U. S. Army Missile Command, Redstone Arsenal, Alabama, Land Combat Models (to be known as U. S. Army Missile Command Project No. 2376 - Mod. #9 - Engineering Experiment Station).  
Gross Value - \$1,273.00.
- d. Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Radar Echo Reduction Studies (to be known as Aeronautical Systems Division Project No. 2382 - C. O. #5 - Department of Electrical Engineering).  
Gross Value - \$30,970.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. Air Force Systems Engineering Group, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Contributive Research in Physical and Engineering Sciences (to be known as Air Force Systems Engineering Group, Aeronautical Systems Division Project No. 2443 - Amend. #10 - Research Foundation). Gross Value - \$787,000.00.
- f. Air Force Institute of Technology, United States Air Force, Wright-Patterson Air Force Base, Ohio, AFIT Defense Weapon Systems Management Seminar (to be known as Air Force Institute of Technology Project No. 2659 - Mod. #4 - College of Administrative Science - Division of Continuing Education). Gross Value - \$30,000.00.
- g. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Research on Intrinsic Surface Properties and Their Relation to the Mechanical Behavior of Metals and Alloys (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2726 - Mod. #1 - Department of Metallurgical Engineering). Gross Value - \$39,000.00.
- h. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Intermittent Research on Material Problems (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2731 - Mod. #2 - Research Foundation). Gross Value - \$177,000.00.
- i. Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Coherent Multiplexing and Array Techniques (to be known as Rome Air Development Center Project No. 2738 - Mod. #1 - Department of Electrical Engineering). Gross Value - \$141,665.00.
- j. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Antennas With Solid State Circuitry (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2744 - Mod. #1 - Department of Electrical Engineering). Gross Value - \$85,000.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- k. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Propagation of Electromagnetic Waves Through Plasma (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2748 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$94,670.00.
- l. U. S. Atomic Energy Commission, Argonne, Illinois, Stress Corrosion Cracking of FE-cR-NI Alloys in Caustic Environments (to be known as U. S. Atomic Energy Commission Project No. 2765 - New - Department of Metallurgical Engineering).  
Gross Value - \$118,000.00.
- m. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Laser Propagation Investigation (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2819 - C. O. #2 - Department of Electrical Engineering).  
Gross Value - \$24,000.00.
- n. U. S. Department of Labor, Manpower Administration, Washington, D. C., National Longitudinal Studies of the Labor Force Behavior of National Sample (to be known as U. S. Department of Labor Project No. 2820 - Mod. #2 - Department of Economics).  
Gross Value - \$6,357.00.
- o. U. S. Navy Purchasing Office, Los Angeles, California, Study of Structure Excited Antennas (to be known as U. S. Navy Purchasing Office Project No. 2833 - New - Department of Electrical Engineering).  
Gross Value - \$15,000.00.
- p. Department of Transportation, Federal Highway Administration, Contracts and Procurement Division, Washington, D. C., Analysis of Fatigue and Fracture of Bituminous Paving Mixtures (to be known as Federal Highway Administration Project No. 2845 - Mod. #1 - Engineering Experiment Station).  
Gross Value - \$20,000.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Study Role of Vehicles and Particulates in Respiratory Carcinogenesis (to be known as National Institutes of Health Project No. 2853 - New - Department of Veterinary Pathology).  
Gross Value - \$100,300.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Use of Radioiodine-Labeled Antibody Techniques to Studies on Viral Induced Tumors (to be known as National Institutes of Health Project No. 2854 - New - Department of Veterinary Pathology).  
Gross Value - \$49,000.00.
- s. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 2855 - New - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$250,000.00.
- t. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - Civil Engineering School (to be known as Air Force Institute of Technology Project No. 2855-A - New - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$14,000.00.
- u. U. S. Army Mobility Equipment Research and Development Center, Research and Development Procurement Office, Fort Belvoir, Virginia, Near Field Antenna Components for Mine Detectors (to be known as U. S. Army Mobility Equipment Research and Development Center Project No. 2857 - New - Department of Electrical Engineering).  
Gross Value - \$175,789.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, New Methods for Fertility (to be known as National Institutes of Health Project No. 2859 - New - Department of Obstetrics and Gynecology).  
Gross Value - \$41,887.00.
- w. Federal Aviation Administration, Washington, D. C., To Determine the Operational Profile and Mission of Certified Instrument Rated Pilots (to be known as Federal Aviation Administration Project No. 2867 - New - Department of Aviation).  
Gross Value - \$19,763.00.



III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- x. Department of the Interior, U. S. Geological Survey, Washington, D. C., A Proposal for the Operational Gridding of Satellite Photographs (to be known as U. S. Geological Survey Project No. 2870 - New - Department of Geodetic Science).  
Gross Value - \$14,848.00.
- y. Agency for International Development, Washington, D. C., An Analysis of Capital Formation in the Agricultural Sectors of the LDCs (to be known as Agency for International Development Project No. 2871 - New - Department of Agricultural Economics and Rural Sociology).  
Gross Value - \$227,158.00.
- z. Department of Transportation, Federal Highway Administration, Washington, D. C., Development of Testing Procedures and a Method to Predict Fatigue of Asphalt Concrete Pavement Systems (to be known as Department of Transportation, Federal Highway Administration Project No. 2873 - New - Engineering Experiment Station).  
Gross Value - \$20,000.00.
- aa. Defense Supply Service - The Pentagon, Washington, D. C., Cytological Studies (to be known as Defense Supply Service - The Pentagon Project No. 2885 - New - Department of Pathology).  
Gross Value - \$315,933.00.
- bb. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Experimental Study of Highly Cooled Boundary Layer Transition and Heat Transfer in Supersonic Flow (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2898 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$25,700.00.

TOTAL - Government Research Contracts - Federal \$2,957,534.00

2. Industrial and Other Research Contracts

- a. Steel Founders' Society of America, Rocky River, Ohio, Investigation of Cast Corrosion Resistant Alloys (to be known as Steel Founders' Society of America Project No. 350 - Amend. #21 - Department of Metallurgical Engineering).  
Gross Value - \$28,000.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Research Contracts (continued)

- b. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Cks. Nos. C635918, C642662, C642665, C642666 - Department of Surgery).  
Gross Value - \$3,503.76.
- c. Health Research, Inc., Roswell Park Division, Buffalo, New York, Breast Adjuvant Study (to be known as Health Research, Inc., Project No. 1569 - Cks. Nos. 035636, 035637, 043764, 044134, 050794, 057156, 058781 - Department of Surgery).  
Gross Value - \$3,375.00.
- d. University of Kansas, Center for Research, Inc., Engineering Science Division, Lawrence, Kansas, Investigation of Antenna Array Organization for Large Receiving Arrays (to be known as University of Kansas, Center for Research, Inc., Project No. 2552 - Mod. #4 - Department of Electrical Engineering).  
Gross Value - \$7,000.00.
- e. Massachusetts Institute of Technology, Lexington, Massachusetts, Investigation of Modified Dipoles (to be known as Massachusetts Institute of Technology Project No. 2648 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$10,000.00.
- f. Raytheon Company, Missile Systems Division, Bedford, Massachusetts, Services Rendered to Raytheon Company (to be known as Raytheon Company Project No. 2692 - Sup. #1 - Department of Electrical Engineering).  
Gross Value - \$200.00.

TOTAL - Industrial and Other Research Contracts \$52,078.76

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, A Phytochemical Search for Medicinal Constituents (to be known as National Institutes of Health Project No. 865-K - Ext. #11 - College of Pharmacy).  
Gross Value - \$23,916.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, 4N $\pi$  Nitrogen Heterocycles (to be known as National Institutes of Health Project No. 2393-B - Sup. #1 - Department of Chemistry).  
Gross Value - \$2,367.00.
- c. Department of the Air Force, Air Force Office of Scientific Research, Arlington, Virginia, Magnetic Properties of the Solid Hydrogens (to be known as Air Force Office of Scientific Research Project No. 2398-A - Mod. #2 - Department of Physics).  
Gross Value - \$62,617.00.
- d. Department of Health, Education and Welfare, Public Health Service, Environmental Control Administration, Bureau of Radiological Health, Bethesda, Maryland, Mercaptocyclopropylamines: Radiation-Protective Agents (to be known as Environmental Control Administration, Bureau of Radiological Health Project No. 2460-B - Sup. #1 - College of Pharmacy).  
Gross Value - \$933.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, A Core Facility for a Cardiovascular Research Program (to be known as National Institutes of Health Project No. 2507-A - Mod. #3 - Department of Medicine).  
Gross Value - \$2,000.00.
- f. Department of Health, Education and Welfare, Social Security Administration, Washington, D. C., Benefits to Risks Ratio in Drug Choice by Physicians (to be known as Social Security Administration Project No. 2672-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$15,051.00.
- g. National Science Foundation, Washington, D. C., Nuclear Physics Research With a 5.5 MeV Van de Graaff Accelerator (to be known as National Science Foundation Project No. 2759 - Ext. #1 - Department of Physics).  
Gross Value - \$164,500.00.
- h. National Science Foundation, Washington, D. C., Investigations on the Sherman Glacier, South Central Alaska (to be known as National Science Foundation Project No. 2869 - New - Institute of Polar Studies).  
Gross Value - \$16,800.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- i. National Science Foundation, Washington, D. C., Resonance Studies at Low and High Magnetic Fields (to be known as National Science Foundation Project No. 2872 - New - Department of Chemistry).  
Gross Value - \$26,000.00.
- j. National Science Foundation, Washington, D. C., Spectro Photometry of Late Type Stars (to be known as National Science Foundation Project No. 2874 - New - Department of Astronomy).  
Gross Value - \$24,800.00.
- k. National Science Foundation, Washington, D. C., Ice Surface Movements in Marie Byrd Land (to be known as National Science Foundation Project No. 2875 - New - Institute of Polar Studies).  
Gross Value - \$3,100.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Mental Health, Chevy Chase, Maryland, Adaptability of an Infra-Human Population (to be known as National Institutes of Mental Health Project No. 2876 - New - Department of Anthropology).  
Gross Value - \$6,021.00.
- m. Department of Health, Education and Welfare, Public Health Service, Environmental Control Administration, Bethesda, Maryland, Antimicrobial Properties of Bovine Milk Serum (to be known as Environmental Control Administration Project No. 2877 - New - Department of Dairy Technology).  
Gross Value - \$17,924.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Mental Health, Bethesda, Maryland, Psychological Aspects of Perennial Vasomotor Rhinitis (to be known as National Institutes of Mental Health Project No. 2878 - New - University Health Service).  
Gross Value - \$6,014.00.
- o. National Science Foundation, Washington, D. C., Minimal Polynomial Sequences and the Polynomial Basis Problem (to be known as National Science Foundation Project No. 2879 - New - Department of Mathematics).  
Gross Value - \$4,700.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- p. U. S. Department of Justice, Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice, Washington, D. C., A Statistical Analysis of Public Defenders Activities (to be known as National Institute of Law Enforcement and Criminal Justice Project No. 2881 - New - Department of Sociology).  
Gross Value - \$6,257.00.
- q. National Science Foundation, Washington, D. C., Geology of the Central Transantarctic Mountains (to be known as National Science Foundation Project No. 2882 - New - Institute of Polar Studies).  
Gross Value - \$99,400.00.
- r. National Science Foundation, Washington, D. C., Systematics and Phytogeography of Vascular Plants of the South Polar Regions (to be known as National Science Foundation Project No. 2883 - New - Institute of Polar Studies).  
Gross Value - \$26,700.00.
- s. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Bethesda, Maryland, The Effects of Positively Reinforcing Brain Stimulation (to be known as National Institutes of Mental Health Project No. 2886 - New - Department of Psychology).  
Gross Value - \$6,235.00.
- t. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Bethesda, Maryland, Drug-Induced Distortion of Visual Space (to be known as National Institutes of Mental Health Project No. 2887 - New - Department of Psychiatry).  
Gross Value - \$6,330.00.
- u. National Science Foundation, Washington, D. C., Physiological Studies of Antarctic Mosses (to be known as National Science Foundation Project No. 2888 - New - Institute of Polar Studies).  
Gross Value - \$18,600.00.
- v. National Science Foundation, Washington, D. C., Conformational Studies of Biopolymers (to be known as National Science Foundation Project No. 2889 - New - College of Biological Sciences - Biochemistry).  
Gross Value - \$43,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- w. Department of the Army, U. S. Army Medical Research and Development Command, Washington, D. C. , Myocardial Dynamics of Shock Induced by Stress in Thyrotoxic Dogs (to be known as U. S. Army Medical Research and Development Command Project No. 2890 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$2,750.00.
- x. Department of the Interior, Federal Water Pollution Control Administration, Washington, D. C. , State of Art of Dairy Plant Wastes and Water Treatment Systems (to be known as Federal Water Pollution Control Administration Project No. 2891 - New - Department of Dairy Technology).  
Gross Value - \$12,954.00.
- y. National Science Foundation, Washington, D. C. , Mechanisms of Electronic Energy Transfer Between Molecules (to be known as National Science Foundation Project No. 2893 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$30,700.00.
- z. National Science Foundation, Washington, D. C. , Convergence Problems in Ergodic Theory and Probability Theory (to be known as National Science Foundation Project No. 2896 - New - Department of Mathematics).  
Gross Value - \$14,600.00.
- aa. National Science Foundation, Washington, D. C. , Dynamic Stability of Freely Vibrating Thin-Walled Columns (to be known as National Science Foundation Project No. 2897 - New - Department of Engineering Mechanics).  
Gross Value - \$30,900.00.

TOTAL - Government Research Grants - Federal \$675,169.00

4. Government Research Grants - State

- a. State of Ohio, Department of Health, Columbus, Ohio, Newborn Care (to be known as State of Ohio, Department of Health Project No. 2052-D - Ext. #4 - Department of Pediatrics).  
Gross Value - \$54,000.00.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

5. Industrial and Other Research Grants

- a. Central Midwestern Regional Educational Laboratory, Inc.,  
St. Ann, Missouri, Aesthetic Education Project (to be known as  
Central Midwestern Regional Educational Laboratory, Inc.,  
Project No. 2420 - Amend. #6 - College of The Arts - Division  
of Art).  
Gross Value - \$4,517.00.
- b. National Endowment for the Humanities, Washington, D. C.,  
The Corpus of the Miniatures in the Manuscripts of Justinian's  
Civil Law (to be known as National Endowment for the Humanities  
Project No. 2864 - New - College of The Arts - Division of Art).  
Gross Value - \$10,000.00.
- c. American Heart Association, New York, New York, Studies of  
Sickle Hemoglobin (to be known as American Heart Association  
Project No. 2868 - New - Department of Medicine).  
Gross Value - \$12,100.00.
- d. The Institute for Quantitative Research in Finance, Bowling Green  
Station, New York, New York, Determinants of Security Price  
Behavior (to be known as The Institute for Quantitative Research  
in Finance Project No. 2892 - New - College of Administrative  
Science - Division of Research).  
Gross Value - \$9,000.00.
- e. American Society of Tool and Manufacturing Engineers, Dearborn,  
Michigan, IACP Curriculum Materials Dissemination Education  
(to be known as American Society of Tool and Manufacturing  
Engineers Project No. 2894 - New - College of Education).  
Gross Value - \$25,000.00.

TOTAL - Industrial and Other Research Grants \$60,617.00

Upon motion of Mr. Safford, seconded by Mr. Harrod, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contracts	5	\$203,489.00
Industrial Research Contract	<u>2</u>	<u>21,560.00</u>
Totals	7	\$225,049.00

During the period from June 19, 1969 through August 20, 1969, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contracts

EES 208X Ext. #14	Development of Instrumentation to Measure Pavement Thickness, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$30,000.00.
EES 278X Ext. #4	Investigation of Traffic Dynamics by Aerial Photogrammetry Techniques, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$61,992.00.
EES 292X Ext. #4	Measurement of Mechanical Stresses Using Piezo Electric Crystals, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$8,197.00.
EES 328X	Use of Driver Display and Control Aids to Stabilize and Improve Traffic Flow, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$76,000.00.
EES 337X	Water Resources Center Director's Office Account, U. S. Department of Interior, Washington, D. C. Gross Value - \$27,300.00.

TOTAL - Government Research Contracts \$203,489.00

2. Industrial Research Contracts

EES 307X Ext. #2	Experimental Determination of Combustibility, American Iron and Steel Institute, New York, New York. Gross Value - \$13,560.00.
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September 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

2. Industrial Research Contracts (continued)

EES 350X      Development of Ceramic Prosthesis for Human Hips,  
Stryker Corporation, Kalamazoo, Michigan.  
Gross Value - \$8,000.00.

TOTAL - Industrial Research Contracts \$21,560.00

C. Agreements Between the Division of Vocational Education of the  
State Department of Education and The Ohio State University

President Fawcett recommended that the agreements between The Ohio State University and the State Department of Education, Division of Vocational Education, be continued for the fiscal year 1969-70, and that the contracts for teacher-training and special services in the following areas be approved:

Business and Office Education  
Distributive Education  
Guidance Services  
Trade and Industrial Education  
Vocational Education  
Vocational Agriculture  
Vocational Home Economics

It was recommended further that the President of the University and the Secretary of the Board of Trustees be authorized to sign the agreements on behalf of the University.

Upon motion of Mr. Jones, seconded by Mr. Safford, the above recommendations were approved by unanimous roll call vote.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since July 31, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

September 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

SUMMARY

Administered Through the Office of Business and Finance	\$1,581,906.00
Received Through The Ohio State University Development Fund	136,843.00

A. Administered Through the Office of Business and Finance

1. \$741,069.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, Bethesda, Maryland, to the University for "Ohio State Regional Medical Program," under the direction of the College of Medicine, for the period May 1, 1969 through June 30, 1970. (Grant No. 1 G03 RM 00022-01A1)
2. \$187,930.00 granted by Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C. 20201, to the University for "Teaching Grant and Traineeships in Rehabilitation Medicine," under the direction of the Department of Physical Medicine, for the period September 1, 1969 through August 31, 1970. (VRA Grant No. 151-T-70)
3. \$123,054.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Professional Nurse Traineeship Program - Long-Term Academic - Training Grant," under the direction of the School of Nursing, for the period September 1, 1969 through August 31, 1970. (Grant No. NT-29-C12, S-1)
4. \$100,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Project to Train Teachers in Adult Basic Education Curriculum Development," under the direction of the College of Education, for the period June 15, 1969 through August 31, 1969. (Grant No. OEG-0-9-451208-4561)
5. \$82,283.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "College Library Resources Program," under the direction of the University Libraries - Main Campus, for the period June 17, 1969 through June 30, 1970. (Grant No. OEG-0-9-450045-0430)
6. \$75,000.00 granted by Department of Health, Education and Welfare, Social and Rehabilitation Service, Washington, D. C. 20201, to the University for "The Natural History of Disability," under the direction of the Department of Physical Medicine, for the period August 1, 1969 through July 31, 1970. (SRS Grant No. RD-2292-G-70-C3)

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$58,017.00 granted by Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C. 20201, to the University for "Teaching Grant and Traineeships in Speech Pathology and Audiology," under the direction of the Department of Speech, for the period September 1, 1969 through August 31, 1970. (VRA Grant No. 222-T-70)
8. \$39,250.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Language and Area Center for Slavic and East European Studies," under the direction of the Department of Slavic Languages and Literatures, for the period July 1, 1969 through June 30, 1970. (Grant No. OEC-0-9-000079-4103)
9. \$39,075.00 granted by Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C. 20201, to the University for "Teaching Grant and Traineeships in Sociology," under the direction of the Department of Sociology, for the period September 1, 1969 through August 31, 1970. (VRA Grant No. 473-T-70)
10. \$26,450.00 granted by Department of Health, Education and Welfare, Social and Rehabilitation Service, Rehabilitation Services Administration, Washington, D. C. 20201, to the University for "Teaching Grant and Traineeships in Physical Therapy," under the direction of the School of Allied Medical Professions," for the period September 1, 1969 through August 31, 1970. (RSA Grant No. 209-T-70)
11. \$25,000.00 granted by Battelle Memorial Institute, Columbus, Ohio, to the University for the Battelle Professorship of Metallurgy in the Department of Metallurgical Engineering.
12. \$23,795.00 granted by Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington, D. C. 20201, to the University for "Teaching Grant and Traineeships in Occupational Therapy," under the direction of the School of Allied Medical Professions, for the period September 1, 1969 through August 31, 1970. (VRA Grant No. 176-T-70)
13. \$18,524.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "The Design, Implementation and Evaluation of a Curriculum Leading to the Bachelor of Science in Nursing Degree - Training Grant," under the direction of the School of Nursing, for the period August 1, 1969 through July 31, 1970. (Grant No. 5-D10-NU 00319-02)

September 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

14. \$18,019.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Neocortical and Subcortical Interactions," under the direction of the Department of Psychology, for the period September 1, 1969 through August 31, 1970. (Grant No. 5 K02 MH12747-03)
15. \$11,340.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Cancer Control Senior Clinical Traineeship," under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 57025-01-69)
16. \$8,000.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Cancer Control Senior Clinical Traineeship," under the direction of the Department of Pathology, for the period July 1, 1969 through June 30, 1970. (Grant No. 57024-01-69)
17. \$3,100.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for a conference entitled, "International Astronomical Union Colloquium on Stellar Rotation," under the direction of the Department of Astronomy. This grant is effective July 15, 1969, for a period of approximately one year. (GP-13465)
18. \$1,000.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Research Fellowship Award," under the direction of the Department of Pharmacology, for the period June 18, 1969 through June 17, 1970. (Grant No. 5 F03 GM38967-02)
19. \$1,000.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Research Fellowship Award," under the direction of the Department of Veterinary Physiology and Pharmacology, for the period June 4, 1969 through June 3, 1970. (Grant No. 1 F03 HE43086-01)

TOTAL - Administered Through the Office of Business and Finance -  
\$1,581,906.00

B. Received Through The Ohio State University Development Fund

1. \$20,000.00 from Battelle Memorial Institute, Columbus, Ohio, for a room in the Center for Tomorrow.
2. \$19,405.00 from the Trust under the Will of Anna Roessler, Columbus, Ohio, for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

3. \$15,000.00 from National Fund for Medical Education, New York, New York, for the National Fund for Medical Education in the College of Medicine.
4. \$14,000.00 from The Pharmaceutical Manufacturers Association Foundation, Inc., Washington, D. C., for the PMA Foundation Fellowship Fund in the Department of Pharmacology.
5. \$11,300.00 from the Grange Mutual Casualty Company, Columbus, Ohio, and from friends of John Conrad Haaf for the establishment of the John Conrad Haaf Scholarship Fund.

John Conrad Haaf Scholarship Fund

The John Conrad Haaf Scholarship Fund was established September 11, 1969, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Grange Mutual Casualty Company, Columbus, Ohio, and from friends of John Conrad Haaf, Chairman of the Board Emeritus and one of the original sponsors of the Grange Mutual Casualty Company.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more annual awards to an undergraduate or a graduate student enrolled in the College of Administrative Science and majoring in some phase in the field of insurance, whose grades average 2.75 or better. Scholarship applicants are to be nominated by the Executive Committee of The Griffith Foundation, in consultation with the executive officers of the Grange Mutual Casualty Company.

6. \$8,000.00 from the Alpha Eta Association and members of the Alpha Eta Chapter of Kappa Phi Kappa, Columbus, Ohio, for the establishment of the Kappa Phi Kappa Fund.

Kappa Phi Kappa Fund

The Kappa Phi Kappa Fund was established September 11, 1969, by the Board of Trustees of The Ohio State University with a gift to the University through the Development Fund from the Alpha Eta Association, and members of the Alpha Eta Chapter of Kappa Phi Kappa.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

6. Kappa Phi Kappa Fund (continued)

The annual income is to be used to further the undergraduate program of teacher education of the University's College of Education. Should said undergraduate program cease to exist, then the income may be used in support of similar programs related to teacher education at the graduate level.

Recommendations for the expenditure of the annual income are to be made by a committee comprised of three representatives of the University, including the Dean of the College of Education, the University's faculty sponsor of the Alpha Eta Chapter, one other person selected by the Dean and three representatives of the Alpha Eta Association.

7. \$7,410.00 from Mead Johnson & Company, Evansville, Indiana, for Cardiovascular Research in the Department of Medicine.
8. \$6,562.00 from The John A. Hartford Foundation, Inc., New York, New York, for the Hartford Foundation in the College of Medicine.
9. \$6,000.00 from The John and Mary R. Markle Foundation, New York, New York, for the Markle Foundation Surgery Research Fund.
10. \$5,000.00 from Abba and Cecile Lichenstein and Family, Leonia, New Jersey, for the establishment of the Charles Lichenstein Memorial Award Fund.

Charles Lichenstein Memorial Award Fund

The Charles Lichenstein Memorial Award Fund was established September 11, 1969, by the Board of Trustees of The Ohio State University with gifts through The Ohio State University Development Fund from Abba and Cecile Lichenstein and Family, Leonia, New Jersey, in memory of their son, Charles G., to recognize excellence in engineering attainment of faculty and graduate students of The Ohio State University.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide a Charles Lichenstein Meritorious Achievement Award to faculty members and/or graduate students in the College of Engineering. The recipients are to be selected by the Dean of the College of Engineering and/or his successors. Preference is to be given individuals associated with the Department of Civil Engineering.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

10. Charles Lichenstein Memorial Award Fund (continued)

Should the need for this award cease to exist or so diminish as to provide unused income, or should the Department of Civil Engineering cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for engineering education.

11. \$5,000.00 from Warren-Teed Pharmaceuticals, Inc., Columbus, Ohio, for the Physiology of the Eye Fund in the College of Optometry.
12. \$4,100.00 from Eli Lilly and Company--\$2,100.00 for the Medical Microbiology Fund and \$2,000.00 for Medical Microbiology Research Fund.
13. \$4,040.00 from The Procter & Gamble Company for the Procter & Gamble Fellowship in Chemical Engineering.
14. \$3,500.00 from Campbell Soup Company for the Campbell Institute for Food Research Fellowship in Food Science.
15. \$2,181.00 from The Arthur Young Foundation for the Arthur Young Professorship of Accounting.
16. \$1,595.00 from the A. B. "Dolly" and Ralph Cohen Foundation, (In the name of Mrs. Abraham B. Cohen), for the purchase of an electronic organ for the Ohio Union.
17. \$1,000.00 from the American Institute of Real Estate Appraisers of the National Association of Real Estate Boards, Chicago, Illinois, for the American Institute of Real Estate Appraisers Scholarship Fund.
18. \$1,000.00 from Denman Rubber Manufacturing Company, (In the name of James H. Hoffman), for the University Relations Discretionary Fund.
19. \$1,000.00 from Melvin D. Ross--\$500.00 for the Melvin D. Ross Library Fund and \$500.00 for the Melvin D. Ross Student Loan Fund.
20. \$750.00 from The Ohio Bar Title Insurance Company and members of its Board for the establishment of the Aronhold C. Schapiro Memorial Fund.

Aronhold C. Schapiro Memorial Fund

The Aronhold C. Schapiro Memorial Fund was established September 11, 1969, by the Board of Trustees of The Ohio State University with gifts through the Development Fund from The Ohio Bar Title Insurance Company and members of its Board.

September 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

20. Aronhold C. Schapiro Memorial Fund (continued)

The principal is to be invested in the University's permanent endowment, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used for the benefit of The Ohio State University College of Law for any purpose at the discretion of the Dean of said College. The principal may be invaded as to part or all of it at any time, on the recommendation of the Dean of the College of Law or the administrative official of the University directly responsible for legal education.

In the event the College of Law as it now exists shall be altered in any reorganization of University colleges, schools and departments, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

TOTAL - Received Through The Ohio State University Development Fund -  
\$136,843.00

Upon motion of Mr. Harrod, seconded by Mr. Shocknessy, the acceptance of the foregoing grants and gifts and the establishment of the above-named funds were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In July, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	3,382	\$ 43,969.94
Individuals other than alumni	138	6,658.50
Nonprofit organizations	67	52,170.11
Business concerns	33	112,217.30
	<u>3,620</u>	<u>\$215,015.85</u>

Of these gifts, 2,465 totaling \$23,440.14 were undesignated and 1,155 totaling \$191,575.71 were designated.

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September 11, 1969 meeting, Board of Trustees

V. EXTRAS AND CREDITS TO CONTRACTS

On July 13, 1967, the Board of Trustees authorized the Vice President for Business and Finance to approve change orders which were necessary to expedite completion of construction projects. In accordance with this authorization, all extra and credit orders to contracts which have been completed were reported.

A. Chemistry Research Facilities

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$1, 328, 081. 00	\$1, 404, 796. 96	\$76, 715. 96

B. Parking Ramp - Ohio Union Site

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$1, 232, 193. 00	\$1, 228, 549. 50	(\$ 3, 643. 50)

C. Wiseman Hall Addition

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$1, 632, 715. 00	\$1, 648, 769. 04	\$16, 054. 04

D. Research Space, East Side of Stadium, Phase IV

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 302, 870. 00	\$ 303, 171. 50	\$ 301. 50

E. Horticulture and Forestry Building - Partial Remodeling

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 133, 756. 00	\$ 134, 888. 70	\$ 1, 132. 70

Upon motion of Mr. Dunlap, seconded by Mr. Safford, the above extra and credit orders to contracts and expenditure of funds were approved, and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

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September 11, 1969 meeting, Board of Trustees

## VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

### A. Health Sciences Library

This project will provide traditional library functions plus contemporary innovations in library information technology and will house approximately 200,000 volumes.

Funds for this project have been provided from H. B. 886, H. B. 828 and H. B. 531.

### B. University Hospital - Improvements to Ventilation System of Sixth Floor and 8 East Nursing Stations

This project provides modernization of patient facilities and nursing station units.

Funds for this project have been provided by a transfer from Budget Account 960200 (Hospital Rotary) to Budget Account 801213 (Hospital Ventilation - 6th Floor and 8 East Nursing Station).

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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## VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

### A. Ohio Stadium Repairs - Revised

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received 7-22-69)		
Mason and Isabel, Inc.		
Base bid	\$109,300.00	\$180,000.00
Alt. 1 University to furnish and deliver structural steel	- 3,000.00	- 3,500.00
Total Contract	<u>\$106,300.00</u>	<u>\$176,500.00</u>

Funds for this project have been provided from Budget Account 999000 (Athletic Revenue Fund).

September 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. Newark Campus - Parking Lot Surfacing

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received 7-25-69)		
Gene Cox and Sons, Inc.	\$ 31,339.78	\$ 43,500.00

Funds for this project have been provided by a transfer from Budget Account 149994 (Branch Campuses Reserve) to Budget Account 801204 (Newark Parking Lot).

C. Mansfield Technical Building

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received 8-14-69)		
Kokosing Construction Company, Inc. (Fredericktown, Ohio)		
Base bid	\$515,000.00	\$578,000.00
Alt. G-1 Substitute windows for HVAC-1	- 722.00	- 100.00
Alt. G-2 Rooftop screens	19,500.00	12,000.00
Alt. G-3 Faculty office partitions	6,100.00	4,590.00
Alt. G-5 Drainage - Phase II	700.00	350.00
Total Contract	<u>\$540,578.00</u>	<u>\$594,840.00</u>

<u>Plumbing Contract</u>		
(10 bids received 8-14-69)		
R. G. Beer Corporation (Mansfield)		
Base bid	<u>\$ 54,700.00</u>	<u>\$ 79,000.00</u>

<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(10 bids received 8-14-69)		
The Kuempel Company (Columbus)		
Base bid	\$109,700.00	\$140,000.00
Alt. HVAC-1 Refrigeration add-on package	14,300.00	22,000.00
Total Contract	<u>\$124,000.00</u>	<u>\$162,000.00</u>

<u>Electrical Contract</u>		
(5 bids received 8-14-69)		
Swede's Electric (Mansfield)		
Base bid	<u>\$151,957.00</u>	<u>\$118,000.00</u>
<u>Total Contracts</u>	<u>\$871,235.00</u>	<u>\$953,840.00</u>

September 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

C. Mansfield Technical Building (continued)

The State Controlling Board at its meeting on August 29, 1969, approved the award of the Electrical Contract to the low bidder without further competitive bidding.

Funds for this project have been provided from H. B. 886, H. B. 828, H. B. 531 and the Board of Regents - Federal Recoveries.

D. College of Medicine, Expanded Computer Facilities

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(8 bids received 8-21-69)		
Holzapfel Construction Co.		
(Gahanna, Ohio)		
Base bid	\$ 69,208.00	\$100,000.00
Alt. G-1 Drywall and furring on existing walls in Computer Room A-196	362.00	2,000.00
Total Contract	\$ 69,570.00	\$102,000.00
<u>Plumbing Contract</u>		
(3 bids received 8-21-69)		
Longo Plumbing Company (Columbus)		
Base bid	6,497.00	10,000.00
<u>Heating, Ventilating and Air Conditioning Contract</u>		
(5 bids received 8-21-69)		
Limbach Company (Columbus)		
Base bid	50,375.00	80,000.00
<u>Electric Contract</u>		
(5 bids received 8-21-69)		
Reco Electric, Inc. (Columbus)		
Base bid	39,405.00	60,000.00
<u>Total Contracts</u>	<u>\$165,847.00</u>	<u>\$252,000.00</u>

Funds for this project have been provided by a transfer from Budget Account 960200 (Hospital Rotary) to Budget Account 801196 (Expanded Computer Facilities for the College of Medicine).

September 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Lima Technical Building

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(4 bids received 8-21-69)		
Peterson Construction Company		
(Wapakoneta, Ohio)		
Base bid	\$466,000.00	\$518,620.00
Alt. G-3 Carpeting	5,800.00	5,900.00
Alt. G-4 Elevated floor system	6,000.00	7,800.00
Alt. G-6 Machines Laboratory 129	600.00	1,300.00
Alt. G-7 Asphaltic concrete surface in lieu of tar and chip	650.00	1,650.00
Total Contract	<u>\$479,050.00</u>	<u>\$535,270.00</u>
<u>Plumbing Contract</u>		
(7 bids received 8-21-69)		
Boughan Bros., Inc. (Lima, Ohio)		
Base bid	\$ 37,847.00	\$ 80,320.00
Alt. P-1 Machines Laboratory 129	253.00	560.00
Total Contract	<u>\$ 38,100.00</u>	<u>\$ 80,880.00</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(6 bids received 8-21-69)		
Lake Contracting Co. (Celina, Ohio)		
Base bid	\$145,992.00	\$126,900.00
Alt. H-1 Two boilers in lieu of one	6,685.00	4,300.00
Alt. H-2 Fully air conditioned building	13,171.00	7,500.00
Alt. H-3 Machines Laboratory 129	2,872.00	1,300.00
Total Contract	<u>\$168,720.00</u>	<u>\$140,000.00</u>
<u>Electrical Contract</u>		
(4 bids received 8-21-69)		
Suburban Electric Co. (Lafayette, Ohio)		
Base bid	\$129,000.00	\$120,160.00
Alt. E-1 Machines Laboratory 129	6,115.00	9,140.00
Alt. E-1 Modification of panel "AC"	1,680.00	1,100.00
Total Contract	<u>\$136,795.00</u>	<u>\$130,400.00</u>
<u>Total Contracts</u>	<u>\$822,665.00</u>	<u>\$886,550.00</u>

The awards of the Heating, Ventilating and Air Conditioning Contract and the Electrical Contract are subject to the approval of the State Controlling Board to issue contracts to the low bidders without further competitive bidding.

September 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Lima Technical Building (continued)

Funds for this project have been provided from H. B. 886, H. B. 828, H. B. 531, Board of Regents - Federal Recoveries and a Federal Grant on Phase I.

Upon motion of Mr. Jones, seconded by Mr. Safford, the above award of contracts and expenditures of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Electric Line Easement - Columbus and Southern Ohio Electric Company

WHEREAS, the relocation of Kinnear Road at North Star Road requires the relocation of the existing overhead power line; and

WHEREAS, the easement will provide a new right-of-way commencing at North Star Road continuing along the south right-of-way of Kinnear Road, and will connect to the existing pole line on Kinnear Road; and

WHEREAS, this new right-of-way will permit the Columbus and Southern Ohio Electric Company to remove the present pole line, and thus will permit the University to utilize the lands resulting from the vacated easement;

IT WAS RECOMMENDED, that the power line easement be granted to the Columbus and Southern Ohio Electric Company, and

IT WAS RECOMMENDED FURTHER, that the President and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for this electrical service.

Upon motion of Mr. Harrod, seconded by Mr. Dunlap, the above recommendations were approved by unanimous roll call vote.

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IX. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Walter N. Brown, Professor in the Department of Horticulture; Everett L. Dakan, Professor Emeritus in the Department of Poultry Science; and R. Bruce Tom, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

IX. RESOLUTIONS IN MEMORIAM

A. Walter N. Brown

The Board of Trustees expresses its sorrow at the death on July 24, 1969, of Walter N. Brown, Professor in the Department of Horticulture and Forestry.

Professor Brown was born in Christian County near Taylorville, Illinois, July 2, 1913. In 1933 he received the County Agricultural Scholarship tuition award to the University of Illinois for four years. He received his Bachelor of Science degree in Floriculture in June 1937 and was appointed first Assistant in Horticulture at the University of Illinois assigned to the Cook County Experiment Station, Des Plaines, Illinois, with duties in vegetable crop research and extension. In September of 1937 he was appointed Associate in Horticulture and Superintendent of the Cook County Experiment Station. In September of 1938 he entered the University of Illinois Graduate School on a part-time basis.

In June 1941 he received a leave of absence for active duty as a Lieutenant in the U. S. Army. He served in the Southwest Pacific Area and received the Bronze Star for meritorious service. In 1945 he was honorably discharged with the rank of Major.

Professor Brown returned to the staff of the University of Illinois on January 1, 1946, as a Research Associate in Horticulture and reentered the graduate school. He received his M.Sc. degree in June 1948 with his thesis entitled, "Germination of Sweet Corn and Relation to the Amount of Seed Injury Sustained During Harvesting and Processing." His doctorate degree was taken at the University of Illinois in the field of plant breeding with a minor in plant physiology. The Ph.D. degree was awarded in 1952 with his dissertation entitled, "Developmental Morphology of Pericarp Blistering in Sweet Corn." From June 1950 to June 1952 he was an Assistant Professor with responsibility in teaching and research.

On June 1, 1952, he was appointed Professor and Head of the Vegetable Crops Division, Department of Horticulture, The Ohio State University and the Ohio Agricultural Experiment Station. He has been responsible for teaching three courses in the Department concerned with general plant breeding, commercial vegetable crop production and advanced plant breeding. He has served as project leader for eight research projects and a co-leader or member of four other projects at the Ohio Agricultural Research and Development Center. He has served as adviser to several graduate students, a counselor to many undergraduate students, chairman of several department committees and an active member of different College and Center committees.

One of his major responsibilities has been in the area of vegetable crop breeding, particularly tomato breeding. He has developed several new lines presently in use by the vegetable industry. He recently developed two important tomato cultivars for widespread use by the greenhouse industry. As a result of his extensive variety trials at the OARDC Branch at Willard, growers in that area credit much of their success to his introduction of various vegetable cultivars there.

IX. RESOLUTIONS IN MEMORIAM (continued)

A. Walter N. Brown (continued)

Dr. Brown was author or co-author of over 120 publications in the area of vegetable crop production, breeding, quality evaluation and new varieties of vegetables and potatoes.

Dr. Brown was a member of the American Society for Horticultural Science, American Institute of Biological Science, Sigma Xi, Gamma Sigma Delta, Pi Alpha Xi and the Tomato Breeders Cooperative.

Professor Brown was held in high esteem by his fellow faculty members, undergraduate and graduate students, professional vegetable growers in Ohio and horticultural leaders in the United States. His contributions to the Ohio Tomato Greenhouse Industry, to the Ohio Vegetable and Potato Industry, to the Ohio Canning Industry and to the tomato growers for processing will long be remembered. These contributions are greatly appreciated and will be of lasting value.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Everett L. Dakan

The Board of Trustees expresses its sorrow at the death on August 10, 1969, of Everett L. Dakan, Professor Emeritus in the College of Agriculture and Home Economics, Department of Poultry Science.

Professor Dakan was born on a farm in Andrew County, Missouri, on June 29, 1889, and received the Bachelor of Science degree from the University of Missouri in 1918. His additional education included graduate work in biological science at The Ohio State University (1929-30), in endocrinology at the University of Wisconsin in 1931 and in ornithology at the University of Michigan in 1932.

During his last year at the University of Missouri he was an Instructor in poultry husbandry. After his graduation, he held a teaching position at South Dakota State College for a year prior to his Ohio State appointment in 1919. He served until 1923 as Poultry Extension Specialist at Ohio State, then was appointed Chairman of the newly organized Poultry Department. Professor Dakan held the Department Chairmanship until his resignation in 1955 to devote full time to teaching. He was made a Professor Emeritus upon his retirement in 1957.

From 1947-55, he was Chairman in charge of research at the Poultry Science Department of the Ohio Agricultural Experiment Station.

From 1955-57, he was a member of a team from Ohio State which helped develop a land-grant-type agriculture college and experiment station in the State of Punjab, India.



September 11, 1969 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

B. Everett L. Dakan (continued)

Professor Dakan was a leader in the movement to bring the World's Poultry Congress to the United States and Ohio in 1939. He led the movement which resulted in the establishment of the U. S. Department of Agriculture, Regional Poultry Disease Laboratory, at East Lansing, Michigan, and in the establishment of the cooperative egg marketing systems in Ohio. He also led in the establishment of the Ohio Poultry Improvement Association.

Professor Dakan has been a member of the Poultry Science Association, the American Association of University Professors, the Columbus Audubon Society, the Wheaton Club, the National Association for the Advancement of Colored People, the American Civil Liberties Union and Gamma Sigma Delta, national agriculture honorary.

Professor Dakan was the author of "Ohio and the Poultry Industry." He also wrote extension poultry publications and poultry articles for the press. He served as Poultry Editor of The Ohio Farmer for many years until he went to India.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

C. R. Bruce Tom

The Board of Trustees expresses its sorrow at the death on August 4, 1969, of R. Bruce Tom, Professor Emeritus in the Department of Agricultural Economics and Rural Sociology in the College of Agriculture and Home Economics.

Professor Tom was born in New Concord, Ohio, on December 28, 1890. He was graduated from Rich Hill Township High School in Muskingum County in 1909. His college education was received at Muskingum College, Ohio University, The Ohio State University and Cornell University.

Mr. Tom began his career as a country school teacher in Muskingum County, Ohio. In that county he also served as deputy master of the Muskingum County Granges and for a two-year period was president of the Muskingum County Farm Bureau. In 1920, he was appointed 4-H Club Leader in Summit County, Ohio, and in 1924, he became an Assistant Ohio State 4-H Club Leader. In 1925, he was appointed Extension Specialist in Rural Sociology, a position he held at the University until his retirement in 1952. During the course of his career at Ohio State, he taught short courses at a number of universities including Cornell, Purdue and Michigan State.

Professor Tom was a specialist in the areas of community organizations and recreation. He was associated closely with the Farmers' Institute Program in Ohio for many years and worked closely with rural church and other community organizations. He organized and conducted the first county-wide 4-H camp in Ohio in 1920. He also planned and conducted the first annual grange

IX. RESOLUTIONS IN MEMORIAM (continued)

C. R. Bruce Tom (continued)

Lecturers short course on The Ohio State University campus in 1928. Throughout his career, he worked closely with the Town-Country Committee of the Ohio Council of Churches.

Mr. Tom was the author of many articles and bulletins concerned with 4-H Club activities, rural church programs, programs for older rural youth and juvenile grange programs.

Mr. Tom was a member of Gamma Sigma Delta, Ohio State Grange and National Grange. He was also a member of the Senior Fellowship Club and the First Congregational United Church of Christ in Sandusky, Ohio.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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X. REPORTS

A. Report on Actions Taken by the Ohio Board of Regents at Its Meeting Held August 15, 1969

President Fawcett reported for information and the record that the Ohio Board of Regents took the following actions which pertain to The Ohio State University at the meeting on August 15, 1969:

1. In accordance with the provisions of H. B. 531 of the 108th General Assembly approved the following fee schedule for The Ohio State University, effective with the Autumn Quarter, 1969:

Instructional Fee	\$160
General Fee	40
Tuition Surcharge	350

2. Released \$50,000 to The Ohio State University for teacher institutes for inner-city schools for 1969.

B. Proclamation Honoring John W. Bricker - Trustee Emeritus of The Ohio State University

President Fawcett said

Official notice is hereby taken of the Governor's proclamation honoring The Honorable John W. Bricker by his appointment as Trustee Emeritus of The Ohio State University. We welcome Mr. Bricker in this new role and are pleased that his wise counsel and guidance will still be available to this Board and the University. The proclamation reads:

EXECUTIVE DEPARTMENT  
Office of the Governor  
Columbus

PROCLAMATION HONORING

JOHN W. BRICKER

TRUSTEE EMERITUS - THE OHIO STATE UNIVERSITY

August 15, 1969

The Honorable John W. Bricker has rendered distinguished public service to the State of Ohio and to the United States in offices ranging from the local level to the highest office in the gift of the people of Ohio.

A native of Madison County, he attended the county schools, Mt. Sterling High School and was graduated from The Ohio State University in 1916 and from its law department in 1920.

During World War I he served as a 1st Lieutenant; solicitor for Grandview Heights, Ohio, 1920-1928; Assistant Attorney General of Ohio, 1923-1927; a member of the Public Utilities Commission of Ohio, 1929, by appointment of Governor Myers Y. Cooper.

Then followed a brilliant public career that reads like a chapter from Horatio Alger's classics of the last quarter of the 19th century.

Elected Attorney General of Ohio 1932 and reelected in 1934; elected Governor of Ohio 1938 and reelected in 1940 and 1942; Republican candidate for Vice President in 1944; first appointment as Trustee of The Ohio State University by Governor Thomas J. Herbert in 1948; elected to the United States Senate in 1946 and reelected in 1952 - for a total tenure of twelve years - January 3, 1947-January 3, 1959.

John Bricker graced all these offices - from the least to the highest - with a penetrating mind and an unswerving faith in representative government under a written constitution.

His imposing presence, his profound knowledge of law and government and his gift as one of the ablest orators of the Nation placed him in the front rank of his contemporaries.

Now, therefore, I, James A. Rhodes, Governor of the State of Ohio, deem it a well-deserved recognition of John Bricker's distinguished achievements to proclaim him a

TRUSTEE EMERITUS OF THE OHIO STATE UNIVERSITY

and I invite the citizens of Ohio to join me in the hope that the University, the State and the Nation may long continue to have the benefits of his experience, his judgment and the inspiration of his leadership.

IN WITNESS WHEREOF, I have hereunto subscribed my name and caused the Great Seal of the State of Ohio to be affixed at Columbus, this 15th day of August, in the year of Our Lord, One Thousand Nine Hundred and Sixty-Nine.

[S E A L]

(Signed) James A. Rhodes  
GOVERNOR

September 11, 1969 meeting, Board of Trustees

X. REPORTS (continued)

C. Reports from the Finance and Investment Committee

1. Appropriations for University Administrative Officials

Mr. Jones moved that the amounts to be appropriated from the unrestricted interest on endowment funds in the University Treasury to certain principal administrative officers of the University for the purpose of carrying out their administrative responsibilities during the fiscal year 1969-70 be on the same basis as the appropriations for 1968-69: (1) to the President, \$10,000.00; (2) to each of the persons holding the following titles, \$1,000.00 - Vice President for Academic Affairs and Provost; Vice President for Administrative Operations and Secretary of the Board of Trustees; Vice President for Business and Finance; Vice President for Student Affairs; Vice President for University Development; Vice President for Educational Services; Vice President for Research; Executive Dean for Student Statistical Services; (3) an additional amount of \$1,000.00 to be allocated at the discretion of the President for such costs as may be incurred by the administrative officers as they, by direction, further the fiscal progress of the University.

The above motion was seconded by Mr. Dunlap and approved by unanimous roll call vote.

2. Termination of Wright State Campus - Transfer of Property to Wright State University

Mr. Frederick E. Jones, Chairman of the Finance and Investment Committee, presented the following resolution and report:

The Ohio State University is in receipt of the following resolution (69-28) of the Board of Trustees of Wright State University:

RESOLUTION 69-28

WHEREAS Section 3352.14 of the Ohio Revised Code is written as follows:

The Wright State Campus shall cease to exist when the Board of Trustees of Wright State University commences the exercise of its powers. Thereupon, the control of all lands, buildings, property, and equipment of the institution held by the Board of Trustees of Miami University and The Ohio State University for the institution or in trust for the institution, whether for the general or special use of the institution or for some purpose otherwise directed by the terms of a donation or bequest, shall be transferred to the Board of Trustees of the Wright State University. and

September 11, 1969 meeting, Board of Trustees

X. REPORTS (continued)

C. Reports from the Finance and Investment Committee (continued)

2. Termination of Wright State Campus - Transfer of  
Property to Wright State University (continued)

WHEREAS pursuant to the provisions of Senate Bill No. 210 of the 106th General Assembly, as amended by Senate Bill No. 212 of the 107th General Assembly, the Board of Trustees of Wright State University commenced the exercise of its powers on October 1, 1967, by authority of Resolution 1968-3 of the Ohio Board of Regents; therefore be it

RESOLVED that the Board of Trustees of Wright State University respectfully requests the Board of Trustees of The Ohio State University to execute the prepared deed clarifying title to lands occupied by Wright State University; and be it further

RESOLVED that the Secretary of the Board of Trustees shall transmit a copy of this Resolution to the Board of Trustees of The Ohio State University.

As adopted June 3, 1969

/s/ Charles W. Ingler  
Charles W. Ingler, Secretary

Pursuant to the provisions of Section 3352.14 of the Revised Code of the State of Ohio and in accordance with the opinion of the Special Counsel for the Attorney General of the State of Ohio, it was recommended that the following Deed be duly executed in accordance with the normal procedures and practices of the University and be transmitted to the Board of Trustees of the Wright State University.

DEED

KNOW ALL MEN BY THESE PRESENTS

THAT, WHEREAS, the President and Board of Trustees of The Ohio State University is the joint owner, together with the President and the Board of Trustees of Miami University, of the use, for the purposes of higher education, of the real estate hereinafter described, the title to which is held by the State of Ohio, and

WHEREAS, the use of said real estate was devoted to the Wright State Campus of The Ohio State University and Miami University, and

WHEREAS, Section 3352.14 of the Ohio Revised Code provides as follows:

September 11, 1969 meeting, Board of Trustees

X. REPORTS (continued)

C. Reports from the Finance and Investment Committee (continued)

2. Termination of Wright State Campus - Transfer of Property to Wright State University (continued)

§ 3352.14 Termination of Campus; Transfer of Property.

The Wright State Campus shall cease to exist when the Board of Trustees of Wright State University commences the exercise of its powers. Thereupon, the control of all lands, buildings, property, and equipment of the institution held by the Board of Trustees of Miami University and The Ohio State University for the institution or in trust for the institution, whether for the general or special use of the institution or for some purpose otherwise directed by the terms of a donation or bequest, shall be transferred to the Board of Trustees of the Wright State University. and

WHEREAS, pursuant to the provisions of Senate Bill No. 210 of the 106th General Assembly, as amended by Senate Bill No. 212 of the 107th General Assembly, the Board of Trustees of Wright State University commenced the exercise of its powers on October 1, 1967, by authority of Resolution 1968-3 of the Ohio Board of Regents; said resolution, together with the Board of Regents' Certification to the Honorable James A. Rhodes, Governor, State of Ohio, dated September 15, 1967, having been filed with said James A. Rhodes and said James A. Rhodes having filed said Certification, together with said resolution, with the Office of Secretary of State, State of Ohio, on September 22, 1967;

NOW, THEREFORE, the President and the Board of Trustees of The Ohio State University hereby grant, convey, transfer, release, and assign to the Board of Trustees of Wright State University, Colonel Glenn Highway, Dayton, Ohio 45431, their successors and assigns, all of the right, title, and interest in and to the use, for the purposes of higher education, held by the President and Board of Trustees of The Ohio State University, of the following described real estate, to wit:

Situate in the County of Greene, State of Ohio, and being all of the real estate described in full in the four Deeds from The Winters National Bank and Trust Company of Dayton, Ohio, as Trustee, which are recorded in Volume 348, Page 202, and in Volume 354, Page 109, and in Volume 354, Page 112, and in Volume 359, Page 72, of the Deed Records of Greene County, Ohio, which deeds are hereby incorporated herein by reference as fully as if rewritten herein.

Prior Deed References: Volume 348, Page 202; Volume 354, Page 109, Volume 354, Page 112, Volume 359, Page 72 of the Deed Records of Greene County, Ohio.

September 11, 1969 meeting, Board of Trustees

X. REPORTS (continued)

C. Reports from the Finance and Investment Committee (continued)

2. Termination of Wright State Campus - Transfer of Property to Wright State University (continued)

TO HAVE AND TO HOLD said USE for the purposes of higher education forever.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the President and the Secretary of the Board of Trustees were authorized by unanimous vote to execute the proper instrument to accomplish the aforesaid purposes.

D. Highlights of University Activities

President Fawcett reported to the Board on some of the significant activities that have taken place in recent weeks. Some references included in the report, which is filed with the official records of the Secretary, were as follows:

1. The Center for Vocational and Technical Education dedicated its new enlarged facilities at the corner of Kenny and Kinnear Roads in ceremonies on September 4, 1969. This national center is an independent unit on the Ohio State campus dedicated to research, development, state leadership training and dissemination of information in vocational and technical education.
2. The Ohio State University Development Fund set a new, all-time high for the first half of 1969. Gifts to the University for the first six months of the year were a record 49 percent ahead of the comparable period for 1968. The total amount in dollars contributed in the first half of 1969 was \$2,184,100, an increase of \$719,405 over the first half of 1968.
3. Some 60 astronomers are at Ohio State this week for the first international colloquium on stellar rotation--a topic of growing scientific interest in recent years.
4. Seventy-eight business executives are attending the 15th annual Executive Development Program presently being held on the campus. The intensive program of study and discussion is sponsored by the College of Administrative Science in cooperation with the Ohio Manufacturers' Association.
5. A unique program leading to a master's degree in hospital administration will enroll its first students this fall with the assistance of the W. K. Kellogg Foundation of Battle Creek, Michigan. The Kellogg Foundation has provided a three-year grant totaling \$121,650 to support graduate faculty involved in developing curriculum in the area of health care financing and health economics.

September 11, 1969 meeting, Board of Trustees

X. REPORTS (continued)

D. Highlights of University Activities (continued)

6. The Ford Foundation has approved a \$38, 500 planning grant to Ohio State for the College of Education to develop a program for preparing educational leaders for urban neighborhoods.

E. Report on the University's Investment Portfolio

The report dated September 10, 1969, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Wednesday, October 8, 1969, at the Ohio Agricultural Research and Development Center, Wooster, Ohio, at 9:00 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Wooster, Ohio, October 8, 1969

The Board of Trustees met at its regular monthly meeting on Wednesday, October 8, 1969, at the Ohio Agricultural Research and Development Center, Wooster, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, John H. Dunlap and Jack G. Gibbs.

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Minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the September 11, 1969 meeting of the Board as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Changes in Administrative Responsibilities, Promotions, Appointments, Leaves of Absence With Salary and Leave of Absence Without Salary:

A. Changes in Administrative Responsibilities

Lloyd R. Evans from Associate Dean and Secretary (part time - 50 percent) in the College of Medicine, and Professor (part time - 50 percent) in the Department of Medicine, to Vice Provost for Curricula in the Office of Academic Affairs, effective October 15, 1969, at a salary of \$32,928.00 per annum. Dr. Evans will continue to hold a Professorship in the Department of Medicine and the School of Allied Medical Professions at No Salary.

Lewis A. Hess from Professor in the School of Physical Education to Professor in and Director of the School of Physical Education, effective October 1, 1969, at a salary of \$25,212.00 per annum.

B. Promotions

Chalmer G. Hixson from Professor in the School of Physical Education to Professor in and Chairman of the Division of Men's Physical Education, effective October 1, 1969, at a salary of \$17,208.00 per annum.

Arnold M. Weissler from Professor in the Department of Medicine to fill the Gustav Hirsch Professorship in the Department of Medicine, effective October 1, 1969, at a salary of \$25,308.00 per annum.

C. Appointments

Henry R. Angelino, Professor, Department of Psychology, effective October 1, 1969, at a salary of \$16,008.00 per annum.

George J. Banwart, Professor, College of Biological Sciences - Microbial and Cellular Biology, effective October 1, 1969, at a salary of \$20,208.00 per annum.

Adam D. Bourgeois, Professor, College of Education, effective October 1, 1969, at a salary of \$22,968.00 per annum.

Edmund D. Lowney, Professor, Department of Medicine, effective July 1, 1969, at a salary of \$25,128.00 per annum.

October 8, 1969 meeting, Board of Trustees

I. PERSONNEL CHANGES (continued)

C. Appointments (continued)

Ann Molleson, Professor in the School of Allied Medical Professions and Director of the Division of Medical Dietetics, effective October 1, 1969, at a salary of \$16,008.00 per annum.

Lyle D. Schmidt, Professor, Department of Psychology, effective October 1, 1969, at a salary of \$18,048.00 per annum.

Turner Alfrey, Jr., Visiting Professor (Battelle Professor of Metallurgy), Department of Metallurgical Engineering, effective October 1, 1969 through December 31, 1969, at a salary of \$8,331.00 for the period.

D. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named persons were recommended for Leaves of Absence With Salary from the Cooperative Extension Service for the period indicated:

Kenneth E. Ackerman, Instructor (County Extension Agent, Agriculture) Athens County, Cooperative Extension Service, effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at Ohio University.

Robert D. Fleming, Instructor (County Extension Agent, Agriculture) Champaign County, Cooperative Extension Service, effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at The Ohio State University.

Margaret E. Griffiths, Instructor (County Extension Agent, Home Economics) Meigs County, Cooperative Extension Service, effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at The Ohio State University.

E. Leave of Absence Without Salary

Rachel B. Earp, Assistant Professor, School of Allied Medical Professions, effective October 1, 1969 through June 30, 1970, for personal reasons.

Upon motion of Mr. Jones, seconded by Mr. Dunlap, the Changes in Administrative Responsibilities, Promotions, Appointments, Leaves of Absence With Salary, Leave of Absence Without Salary and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
August 21 - September 24, 1969

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	10	\$ 317,169.00
Industrial and Other Research	13	217,725.00
<u>Grants</u>		
Government Research - Federal	25	706,252.00
Industrial and Other Research	<u>16</u>	<u>124,497.00</u>
Totals	64	\$1,365,643.00

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Research Contracts Branch, OAS, Bethesda, Maryland, Brain Tumor Chemotherapy Study (to be known as National Institutes of Health Project No. 2484 - Mod. #3 - Department of Surgery).  
Gross Value - \$7,431.00.
- b. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advanced Radar Reflector Investigation (U) (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2584 - C. O. #2 - Department of Electrical Engineering).  
Gross Value - \$25,000.00.
- c. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Communication Analysis Support (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2734 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$48,768.00.
- d. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Parametric Devices (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2757 - Amend. #2 - Department of Electrical Engineering).  
Gross Value - \$90,000.00.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Histological Research on the Inner Ear (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2763 - Amend. #1 - Department of Otolaryngology).  
Gross Value - \$9,190.00.
- f. Department of Transportation, Federal Highway Administration, Washington, D. C., Development of Testing Procedures and a Method to Predict Fatigue of Asphalt Concrete Pavement Systems (to be known as Federal Highway Administration Project No. 2873 - C. O. #1 - Engineering Experiment Station).  
Gross Value - \$30,000.00.
- g. Department of Transportation, Federal Highway Administration, Washington, D. C., Development of Testing Procedures and a Method to Predict Fatigue of Asphalt Concrete Pavement Systems (to be known as Federal Highway Administration Project No. 2873 - Mod. #1 - Engineering Experiment Station).  
Gross Value - \$18,780.00.
- h. Rome Air Development Center, Griffiss Air Force Base, New York, New York, Investigation of 10.6 Micron Propagation Phenomena (U) (to be known as Rome Air Development Center Project No. 2880 - New - Department of Electrical Engineering).  
Gross Value - \$50,000.00.
- i. Department of the Air Force, Headquarters Electronics Systems Division (AFSC), Laurence G. Hanscom Field, Bedford, Massachusetts, Study of Partially Polarized Radio Waves from the Sun and Discrete Radio Sources (to be known as Headquarters Electronics Systems Division (AFSC) Project No. 2915 - New - Department of Electrical Engineering).  
Gross Value - \$30,000.00.
- j. Department of the Army, Aberdeen Proving Ground Army Research Development Center, Aberdeen Proving Ground, Maryland, Analysis of Laser Beam Records for Pointing Errors (to be known as Aberdeen Proving Ground Army Research Development Center Project No. 2921 - New - Department of Electrical Engineering).  
Gross Value - \$8,000.00.

TOTAL - Government Research Contracts - Federal \$317,169.00

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Research Contracts

- a. Illuminating Engineering Research Institute, New York, New York, Studies of the Illumination Requirements for Roadway Visual Tasks (to be known as Illuminating Engineering Research Institute Project No. 872 - Ext. #12 - Institute for Research in Vision).  
Gross Value - \$7,747.00.
- b. Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination (to be known as Illuminating Engineering Research Institute Project No. 885 - Ext. #12 - College of Biological Sciences - Biophysics).  
Gross Value - \$20,000.00.
- c. Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination (to be known as Illuminating Engineering Research Institute Project No. 885-A - Ext. #2 - Institute for Research in Vision).  
Gross Value - \$12,240.00.
- d. A. H. Robins Company, Inc., Research Laboratories, Richmond, Virginia, Isolation of Active Constituents of Certain Plants (to be known as A. H. Robins Company, Inc., Project No. 2327 - Ext. #3 - College of Pharmacy).  
Gross Value - \$9,794.00.
- e. Massachusetts Institute of Technology, Lexington, Massachusetts, Scattering by Thin Wires (to be known as Massachusetts Institute of Technology Project No. 2409 - Amend. #4 - Department of Electrical Engineering).  
Gross Value - \$6,000.00.
- f. Illuminating Engineering Research Institute, New York, New York, Relation of Pupil Constriction to Discomfort Glare (to be known as Illuminating Engineering Research Institute Project No. 2532 - Ext. #2 - College of Optometry).  
Gross Value - \$14,300.00.
- g. University of Kansas, Center for Research, Inc., Engineering Science Division, Lawrence, Kansas, Investigation of Antenna Array Organization for Large Receiving Arrays (to be known as University of Kansas, Center for Research, Inc., Project No. 2552 - Mod. #4 - Department of Electrical Engineering).  
Gross Value - \$12,500.00.



II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Research Contracts (continued)

- h. Saginaw Board of Education, Saginaw, Michigan, The Ohio State University - City of Saginaw School District Evaluation Program (to be known as Saginaw Board of Education Project No. 2710 - Ext. #1 - College of Education).  
Gross Value - \$65,090.00.
- i. Battelle Memorial Institute, Columbus, Ohio, Limnology of Amchitka Island, Alaska (to be known as Battelle Memorial Institute Project No. 2895 - New - Institute of Polar Studies).  
Gross Value - \$15,761.00.
- j. School District of Pittsburgh, Pittsburgh, Pennsylvania, Demonstration Program - School District of Pittsburgh (to be known as School District of Pittsburgh Project No. 2900 - New - College of Education).  
Gross Value - \$2,170.00.
- k. Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, Uranium and Refractory Materials for Nuclear Manufacturing Fundamental Study of Spiking in Partial Penetration Electron Beam Welding (to be known as Union Carbide Corporation Project No. 2918 - New - Department of Welding Engineering).  
Gross Value - \$39,742.00.
- l. Hoffman-LaRoche, Inc., Research Division, Nutley, New Jersey, Antibacterial Activity of Rofenaid in Turkeys (to be known as Hoffman-LaRoche, Inc., Project No. 2925 - New - Department of Poultry Science).  
Gross Value - \$3,960.00.
- m. The School District of Pontiac, Michigan, East Pontiac, Michigan, IACP Demonstration Program With the Pontiac, Michigan, Public School System (to be known as The School District of Pontiac, Michigan, Project No. 2926 - New - College of Education).  
Gross Value - \$8,421.00.

TOTAL - Industrial and Other Research Contracts \$217,725.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Phytochemistry of Genus Thalictrum (to be known as National Institutes of Health Project No. 1497-F - Ext. #6 - College of Pharmacy).  
Gross Value - \$22,449.00.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Chemo- and Radiotherapy Treatment of Bladder Cancer (to be known as National Institutes of Health Project No. 1806-F - Ext. #6 - Department of Surgery).  
Gross Value - \$16,288.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Receptive Fields of the Mesencephalon (to be known as National Institutes of Health Project No. 1881-E - Ext. #5 - College of Optometry).  
Gross Value - \$10,022.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Neuroendocrine Mechanisms Controlling Organ Perfusion (to be known as National Institutes of Health Project No. 1882-E - Ext. #5 - Department of Psychiatry).  
Gross Value - \$12,455.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Polyfunctional Catalysis of Hydrogen Exchange (to be known as National Institutes of Health Project No. 2078-D - Ext. #4 - Department of Chemistry).  
Gross Value - \$30,107.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Biophysical Mechanisms of Induced Cardiac Arrhythmias (to be known as National Institutes of Health Project No. 2085-D - Ext. #4 - Department of Pharmacology).  
Gross Value - \$18,173.00.
- g. U. S. Department of Interior, Federal Water Pollution Control Administration, Washington, D. C., Concentration of Chemicals by Flocc Forming Organisms (to be known as Federal Water Pollution Control Administration Project No. 2088-D - Ext. #4 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$33,282.00.

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Brain RNA and Its Response to Environmental Events (to be known as National Institutes of Health Project No. 2251-C - Ext. #3 - Department of Psychiatry). Gross Value - \$38,664.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Fellowship Supply Allowance Award (to be known as National Institutes of Health Project No. 2297 - Ext. #3 - Department of Veterinary Pathology). Gross Value - \$1,000.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Fellowship Supply Allowance Award (to be known as National Institutes of Health Project No. 2301 - Ext. #3 - Department of Veterinary Pathology). Gross Value - \$1,000.00.
- k. National Science Foundation, Washington, D. C., Monographic Study of the Gyponinae of the World (to be known as National Science Foundation Project No. 2334 - Ext. #2 - College of Biological Sciences - Entomology). Gross Value - \$6,200.00.
- l. Department of Health, Education and Welfare, Office of Education, Washington, D. C., A Junior High School Industrial Technology Curriculum Project (to be known as Office of Education Project No. 2361 - Mod. #5 - College of Education). Gross Value - \$250,000.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Structural Investigations on Mucopolysaccharides (to be known as National Institutes of Health Project No. 2516-B - Ext. #2 - Department of Chemistry). Gross Value - \$9,902.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Intra-Hepatic Control of Liver Blood Flow (to be known as National Institutes of Health Project No. 2518-B - Ext. #2 - Department of Physiology). Gross Value - \$9,397.00.

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Interactions of Adrenergic Blockers (to be known as National Institutes of Health Project No. 2523-B - Ext. #2 - College of Pharmacy).  
Gross Value - \$5,649.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Pathogenesis of Coronary Atherosclerosis (to be known as National Institutes of Health Project No. 2525-B - Ext. #2 - Department of Pathology).  
Gross Value - \$47,511.00.
- q. Department of Health, Education and Welfare, Social Security Administration, Washington, D. C., Benefits-to-Risks Ratio in Drug Choice by Physicians (to be known as Social Security Administration Project No. 2672-A - Sup. #1 - College of Pharmacy).  
Gross Value - \$558.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunologic Studies on Yaba Tumor Box Virus (to be known as National Institutes of Health Project No. 2899 - New - Department of Veterinary Pathology).  
Gross Value - \$39,589.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Fellowship Supply Allowance Award (to be known as National Institutes of Health Project No. 2901 - New - Department of Veterinary Pathology).  
Gross Value - \$1,000.00.
- t. National Aeronautics and Space Administration, Electronics Research Center, Cambridge, Massachusetts, A Study of High Performance Antenna Systems for Space Communication (to be known as National Aeronautics and Space Administration Project No. 2902 - New - Department of Electrical Engineering).  
Gross Value - \$20,000.00.
- u. National Science Foundation, Washington, D. C., Spectral Analysis of Settlement Patterns (to be known as National Science Foundation Project No. 2916 - New - Department of Geography).  
Gross Value - \$37,300.00.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- v. National Science Foundation, Washington, D. C., Extra Adrenal Production of Adrenocortical Hormones in the Opossum (to be known as National Science Foundation Project No. 2919 - New - Department of Physiology).  
Gross Value - \$30,000.00.
- w. Department of Health, Education and Welfare, U. S. Office of Education, Region V, Chicago, Illinois, A Study of the Development of Skill of Effective Questioning by Prospective Secondary School Science Teachers (to be known as U. S. Office of Education Project No. 2920 - New - College of Education).  
Gross Value - \$9,803.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immunological Unresponsiveness to Contact Sensitizers (to be known as National Institutes of Health Project No. 2922 - New - Department of Medicine).  
Gross Value - \$25,005.00.
- y. National Science Foundation, Washington, D. C., Asymmetric Mixed Boundary Value Problems in Thermoelasticity (to be known as National Science Foundation Project No. 2924 - New - Department of Engineering Mechanics).  
Gross Value - \$30,900.00.

TOTAL - Government Research Grants - Federal \$706,252.00

4. Industrial and Other Research Grants

- a. The National Foundation - March of Dimes, Columbus, Ohio, Birth Defects Special Treatment Center (to be known as The National Foundation - March of Dimes Project No. 2054-4 - Ext. #4 - Department of Pediatrics).  
Gross Value - \$32,084.00.
- b. The National Foundation - March of Dimes, Columbus, Ohio, Birth Defects Special Treatment Center (to be known as The National Foundation - March of Dimes Project No. 2054-4-A - Ext. #4 - Department of Pediatrics).  
Gross Value - \$1,485.00.
- c. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Platelets, Thrombosis and Bleeding (to be known as Central Ohio Heart Association, Inc., Project No. 2903 - New - Department of Medicine).  
Gross Value - \$7,350.00.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- d. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Uptake of Dihydroquinidine by Cardiac Tissue (to be known as Central Ohio Heart Association, Inc., Project No. 2904 - New - Department of Pharmacology).  
Gross Value - \$7,222.00.
- e. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Intestinal Absorption of Digitalis Glycosides (to be known as Central Ohio Heart Association, Inc., Project No. 2905 - New - Department of Medicine).  
Gross Value - \$6,755.00.
- f. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Genesis and Significance of High-Frequency Components of the Electrocardiogram (to be known as Central Ohio Heart Association, Inc., Project No. 2906 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$4,450.00.
- g. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, The Biochemical Mechanisms Involved in the Initiation of Cardiac Hypertrophy (to be known as Central Ohio Heart Association, Inc., Project No. 2907 - New - Department of Medicine).  
Gross Value - \$7,500.00.
- h. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Significance of Atrial Gallop in Coronary Artery Diseases (to be known as Central Ohio Heart Association, Inc., Project No. 2908 - New - Department of Medicine).  
Gross Value - \$7,500.00.
- i. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Cardiac Glycoside Studies in Isolated Hearts (to be known as Central Ohio Heart Association, Inc., Project No. 2909 - New - Department of Pharmacology).  
Gross Value - \$7,447.00.
- j. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Hemolysis Related to Hemodialysis - Possible Role of Copper (to be known as Central Ohio Heart Association, Inc., Project No. 2910 - New - Department of Medicine).  
Gross Value - \$7,350.00.
- k. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, An Integrated Study of Coronary System in Intact Dogs (to be known as Central Ohio Heart Association, Inc., Project No. 2911 - New - Department of Physiology).  
Gross Value - \$4,473.00.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- l. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Electrocardiographic Method for Detecting Cardiac Enlargement (to be known as Central Ohio Heart Association, Inc., Project No. 2912 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$4,828.00.
- m. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, A Critical Evaluation of Pharmacologic Beta Blockade in Angina Pectoris (to be known as Central Ohio Heart Association, Inc., Project No. 2913 - New - Department of Medicine).  
Gross Value - \$7,500.00.
- n. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Mechanism of Salt Retention in Edematous States (to be known as Central Ohio Heart Association, Inc., Project No. 2914 - New - Department of Medicine).  
Gross Value - \$6,720.00.
- o. Central Ohio Heart Association, Inc., Columbus, Ohio 43215, Effect of Anoxia-Ischemia on Brain Lysosomal Enzymes (to be known as Central Ohio Heart Association, Inc., Project No. 2917 - New - Department of Medicine).  
Gross Value - \$7,451.00.
- p. American Cancer Society, Ohio Division, Inc., Columbus, Ohio, Hoploid Cell Structure: A Potential Source for Development of Carcinogenic Compound Free Tobacco Varieties (to be known as American Cancer Society, Ohio Division, Inc., Project No. 2923 - New - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$4,382.00.

TOTAL - Industrial and Other Research Grants \$124,497.00

Upon motion of Mr. Hilliker, seconded by Mr. Shocknessy, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

S U M M A R Y

	No. of Projects	Gross Value
Government Research Contract	1	\$32,640.00
Industrial Research Contracts	2	<u>27,549.00</u>
Totals	3	\$60,189.00

During the period from August 21, 1969 through September 25, 1969, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contract

EES 290      Long Term Deformation of Clay, Ohio Department of  
Ext. #5      Highways, Columbus, Ohio.  
Gross Value - \$32,640.00.

2. Industrial Research Contracts

EES 351X      Mathematical Model of Working Tool Excited by  
                 Ultrasonic Transducer, Black and Decker Manufacturing  
                 Company, Towson, Maryland.  
Gross Value - \$10,000.00.

EES 352X      The Study of the Influences of Kiln Atmospheres on the  
                 Sintering of Portland Cement Clinker, Columbia Gas  
                 System Service Corporation, Columbus, Ohio.  
Gross Value - \$17,549.00.

TOTAL - Industrial Research Contracts \$27,549.00

C. Agreement Between The Ohio State University and the Council  
on Public Higher Education, Commonwealth of Kentucky

President Fawcett recommended that an Agreement between The Ohio State University and the Council on Public Higher Education, Commonwealth of Kentucky, pertaining to the admission of a limited number of students to the College of Veterinary Medicine be approved. This Agreement is similar to the Agreement that exists between The Ohio State University and the State of West Virginia, whereby a limited number of students are admitted each year to the College of Veterinary Medicine.



October 8, 1969 meeting, Board of Trustees

II. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

C. Agreement Between The Ohio State University and the Council on Public Higher Education, Commonwealth of Kentucky (continued)

The Memorandum of Agreement provides for the following:

1. The Ohio State University agrees to enroll in its College of Veterinary Medicine up to six new Kentucky students entering the program each year. The Council on Public Higher Education for the Commonwealth of Kentucky agrees to pay the sum of One Thousand Eight Hundred Dollars (\$1,800.00) for each Kentucky student who accepts an appointment for admission; and further agrees to pay One Thousand Eight Hundred Dollars (\$1,800.00) per year for each student for subsequent school years, not to exceed four years for any one student.
2. Each Kentucky student enrolled under this Agreement will be charged only such tuition and fees as are charged to students who are residents of Ohio.
3. Each party reserves the right to terminate this Agreement at the last of June in any year by giving the other party at least one year's notice of the desire to terminate the Agreement.

It was recommended further that the President of the University and the Secretary of the Board of Trustees be authorized to sign the Agreement on behalf of the University.

Upon motion of Mr. Dunlap, seconded by Mr. Jones, the above recommendations were approved by unanimous roll call vote.

D. Agreement Between the Division of Special Education - Ohio Department of Education and The Ohio State University

President Fawcett recommended that the Agreement between The Ohio State University and the Division of Special Education - Ohio Department of Education, be approved for the fiscal year 1969-70, to provide the services of a faculty member of the College of Education, on a part-time basis, for classroom and in-service training for teacher education in the area of Educable Mentally Retarded Children.

It was recommended further that the Secretary of the Board of Trustees be authorized to sign the Agreement on behalf of the University.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the above recommendations were approved by unanimous roll call vote.

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October 8, 1969 meeting, Board of Trustees

### III. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since September 11, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

#### SUMMARY

Administered Through the Office of Business and Finance	\$218,414.00
Received Through The Ohio State University Development Fund	184,733.17

#### A. Administered Through the Office of Business and Finance

1. \$47,950.00 from W. K. Kellogg Foundation, Battle Creek, Michigan, to the University in support of the Graduate Program in Hospital and Health Services Administration.
2. \$44,958.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "National Conference on Post-Secondary Vocational Technical Education," under the direction of the Center for Vocational and Technical Education, for the period June 1, 1969 through March 31, 1970. (Contract No. OEC-0-9-644011-4708)
3. \$40,000.00 granted by U. S. Department of Transportation, Federal Highway Administration, National Highway Safety Bureau, Washington, D. C., to the University for "An Interdisciplinary Graduate Training Program in Highway Safety," under the direction of the Department of Industrial Engineering. (Grant No. FH-11-7357G)
4. \$38,500.00 from The Ford Foundation, 320 East 43rd Street, New York, New York 10017, to the University for development of a program to prepare principals and other administrators for schools in urban neighborhoods under the direction of the College of Education. (Grant No. 690-0635)
5. \$17,014.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Clinical Psychology Field Training," under the direction of the Department of Psychiatry, for the period July 1, 1969 through June 30, 1970. (Grant No. 5 T01 MH10778-03)
6. \$10,442.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Dental Editors Seminar," under the direction of the School of Journalism, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 R13 DH 00129-06)

October 8, 1969 meeting, Board of Trustees

III. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$10,000.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Professional Nurse Traineeship Program - Long-Term Academic," under the direction of the School of Nursing, for the period September 1, 1968 through August 31, 1970. (Grant No. NT-29-C12, S-2 new No. 3 A11 NU 00029-13S2)
8. \$9,550.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Neurology-Training Grant," under the direction of the Department of Medicine, for the period July 1, 1969 through June 30, 1970. (Grant No. 3 T01 NS05585-03S1)

TOTAL - Administered Through the Office of Business and Finance -  
\$218,414.00

B. Received Through The Ohio State University Development Fund

1. \$17,050.00 from the Trust under the Will of Anna Rosseler for the Samuel J. Roessler Memorial Medical Scholarship Fund in the College of Medicine.
2. \$15,000.00 from The Emmet Blakeney Gleason Memorial Fund, Inc., Rochester, New York, for The Emmet Blakeney Gleason Scholarship Fund in the College of Engineering.
3. \$15,000.00 from the Tuberculosis Society of Columbus and Franklin County, Columbus, Ohio, for the Department of Medicine Fellowship Fund.
4. \$10,925.88 from the Estate of Clifford C. Baltzly, Philadelphia, Pennsylvania, for the Clifford C. Baltzly Scholarship Fund.
5. \$10,062.50 from G. D. Searle & Company, Chicago, Illinois, for the G. D. Searle & Company Research in Medicine Fund.
6. \$10,000.00 from The Nestle Company, Inc., White Plains, New York, for The Nestle Graduate Research Fund.
7. \$10,000.00 from The Ohio National Bank, Columbus, Ohio, (In the name of Walter C. Mercer), for the Center for Tomorrow Fund.
8. \$9,500.00 from The Lubrizol Foundation, Cleveland, Ohio--\$4,000.00 for the Lubrizol Foundation Fellowship Fund for Chemical Engineering, \$4,000.00 for the Lubrizol Foundation Fellowship Fund in Chemistry and \$1,500.00 for the Lubrizol Foundation Scholarship Fund.
9. \$9,000.00 from the Mansfield O. S. U. Scholarship Fund, Mansfield, Ohio, for the Mansfield Campus Scholarship Fund.

October 8, 1969 meeting, Board of Trustees

III. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

10. \$8,400.00 from The International Nickel Company of Canada, Limited, New York, New York, for the International Nickel Company Fellowship in the Department of Metallurgical Engineering.
11. \$7,800.00 from United States Steel Corporation, New York, New York, for the United States Steel Corporation Fellowship Fund in the Department of Mechanical Engineering.
12. \$7,750.00 from the Ohio Lions Eye Research Foundation, Columbus, Ohio, for the Institute for Research in Vision.
13. \$7,334.79 from the Estate of Lillian B. Burgwald, Sarasota, Florida, (In the name of Lillian B. Burgwald), for the L. H. Burgwald Memorial Fund in the Department of Dairy Technology.
14. \$5,500.00 from the National Steel Corporation, Weirton, West Virginia, for the National Steel Fellowship in Metallurgical Engineering.
15. \$5,120.00 from the American Foundation for Pharmaceutical Education, Washington, D. C., for the American Foundation for Pharmaceutical Education Fellowship Fund.
16. \$5,000.00 from Edgar W. Ingram Foundation, Columbus, Ohio, (In the names of Edgar W. Ingram Foundation and White Castle Systems, Inc.), for the Center for Tomorrow Fund.
17. \$5,000.00 from Union Carbide Corporation, Marietta, Ohio, for the Department of Metallurgical Engineering and Travel Fund.
18. \$4,000.00 from Phillips Petroleum Company for the Phillips Petroleum Company Fellowship Fund.
19. \$3,000.00 from Dr. William H. Havener for the Ophthalmology Teaching Fund.
20. \$2,500.00 from The Columbus Foundation, Columbus, Ohio, for the Preston Davis Fellowship in City Planning Fund.
21. \$2,500.00 from Corning Glass Works for the Corning Glass Works Fellowship Fund in Ceramic Engineering.
22. \$2,500.00 from Forging Industry Educational and Research Foundation, (In the names of David E. Tilton, Earl M. Tilton, Mrs. Ann T. King and Mrs. Martha T. Reissig)--\$1,250.00 for the Earl M. Tilton Professorship in Mechanical Metallurgy and \$1,250.00 for the FIE&R Foundation Fund.

October 8, 1969 meeting, Board of Trustees

III. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund

23. \$2,000.00 from Dr. Charlotte S. Huck for the Presidents Club Special Fund.
24. \$2,000.00 from The Women's Auxiliary to the American Optometric Association, Long Beach, California, for the Women's Auxiliary Fund, College of Optometry.
25. \$1,600.00 from Tall Apparel New York Corporation, New York, New York, for the Mortimore F. Reuben Memorial Scholarship Fund.
26. \$1,190.00 from Dr. William E. Hunt for the Harry E. LeFever Fund for Education in Neurological Surgery.
27. \$1,000.00 from Max M. and Marjorie S. Fisher Foundation, Inc., (In the name of Max M. Fisher), for the Max M. Fisher Fund.
28. \$1,000.00 from John C. Haaf for the John Conrad Haaf Scholarship Fund.
29. \$1,000.00 from Wilbur K. Jones Foundation, (In the name of Wilbur K. Jones), for the Wilbur K. Jones Student Aid Fund.
30. \$1,000.00 from the Estate of Albert A. Levin, Cleveland, Ohio, (In the name of Albert A. Levin), for the Albert A. Levin Memorial Award Fund.

Albert A. Levin Memorial Award Fund

The Albert A. Levin Memorial Award Fund was established October 8, 1969, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University through The Ohio State University Development Fund from Albert A. Levin, LL.B. '34, formerly of Cleveland, Ohio.

This bequest is to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to award a prize to be presented to that senior writing the best essay on the Lawyer's Responsibility to His Community. The winner is to be chosen by the faculty of The Ohio State University College of Law.

Should the need for these awards cease to exist or so diminish as to provide unused income, or should the College of Law cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in law.

October 8, 1969 meeting, Board of Trustees

III. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

31. \$1,000.00 from Dr. Myron S. Reed for the Myron S. Reed Fund for Veterinary Medicine.

TOTAL - Received Through The Ohio State University Development Fund - \$184,733.17

C. Gift-in-Kind

1. Property known as Camp Indianola located between Barneby Road, County Roads 26 and 69, consisting of 985.16 acres in Madison Township, Fairfield County, Ohio, from the Barnebey Foundation, to the Board of Trustees of The Ohio State University, to be held in the University's endowment portfolio under the provisions of Section 3345.16 of the Revised Code of Ohio.

The gift includes an undeveloped wooded site and a permanent camp site comprising seven cabins (five double and two single), a pump and water storage house, a tool house, a staff house, a dining hall, a nature study building, a concrete dormitory, a propane gas system, a ten-acre pond and all of the furniture, equipment, furnishings and other personal property located in Camp Indianola.

For the present this property will be used by the College of Agriculture and Home Economics - School of Natural Resources as an off-campus laboratory.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the acceptance of the foregoing grants and gifts and the establishment of the above-named fund were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In August, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,300	\$ 54,088.18
Individuals other than alumni	93	31,372.42
Nonprofit organizations	26	80,854.62
Business concerns	<u>49</u>	<u>130,212.50</u>
	2,468	\$296,527.72

Of these gifts, 884 totaling \$282,111.97 were designated and 1,584 totaling \$14,415.75 were undesignated.

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October 8, 1969 meeting, Board of Trustees

IV. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Interior Decorating for 1969

This project provides normal maintenance repair and painting for the Alpheus Smith Laboratory, the Research Laboratory and part of Derby Hall.

Funds for this project have been provided in Budget Account 124358 (Contract Repair).

B. Parking Lot West of Pedestrian Bridge

This project will provide a 283-car parking lot on the west bank of the Olentangy River.

Funds for this project have been provided from Budget Account 801214 (Parking Lot West of Pedestrian Bridge).

C. Starling Loving Hall - Modernization of Electrical System in "A" Wing

The present power system is overloaded and to correct this situation, this project will provide for the removal of the existing electrical distribution system and the installation of a new distribution and branch circuit panels with new conduit and wire to feed each panel.

Funds for this project have been provided from Budget Account 801156 (Starling Loving Electrical System).

Upon motion of Mr. Hilliker, seconded by Mr. Dunlap, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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V. REPORT OF AWARD OF CONTRACT

In accordance with authorization provided by the Board of Trustees, bids were taken on the project listed below and the contract was recommended for award. The action reported to the Board was as follows:

October 8, 1969 meeting, Board of Trustees

V. REPORT OF AWARD OF CONTRACT (continued)

A. University Hospital - Renovation of Mechanical System in Central Service Areas

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air Conditioning Contract</u> (3 bids received 8-28-69)		
Julian Speer Company	\$36,706.00	\$46,025.00

Funds for this project have been provided from Budget Account 801190  
(University Hospital - Renovation of Mechanical System, Phase III).

Upon motion of Mr. Shocknessy, seconded by Mr. Hilliker, the above award of contract and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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VI. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

The Ohio State University

- 2 Approves the transfer of \$553,091.00 from Item 033 Improvements, Equipment and Contingency, H. B. 828, to various capital improvements accounts. This money represents small unencumbered balances of previous capital improvement appropriations which were reappropriated by the Legislature.
- 3 Approves the transfer of \$725,854.00 from Item 016 Medical Complex, H. B. 828, to Item 043 Basic Science Medical, H. B. 828, and releases this amount for the purchase of equipment for the Medical Basic Science Building.
- 4 Approves the award of the Electrical Contract to the low bidder notwithstanding the fact that it is above the estimate of cost and releases \$551,671.00 in H. B. 828 for construction of the Mansfield Technical Building.
- 5 Approves the award of the Heating, Ventilating and Air Conditioning Contract and the Electrical Contract to the low bidders without further competitive bidding for the project "Lima Technical Building."

The Ohio Board of Regents

- 3 Approves the release of \$359,522.00 from Item 060 Mansfield Technical Building, H. B. 828, for construction on this project by The Ohio State University.

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October 8, 1969 meeting, Board of Trustees

VII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Evans Laboratory Addition - Improvements to the Heating and Air Conditioning System: Employment of Engineers

President Fawcett recommended that the engineering firm of H. A. Williams and Associates, Inc., be employed to provide complete preparation of plans and specifications for this project.

The fee for this service will be calculated on an hourly pay rate of \$18 for Principals, \$15 for Senior Engineers and Designers, \$12 for Junior Engineers and Designers and \$8 for Draftsmen and shall not exceed \$9,000.00.

Funds for this service have been provided from Budget Account 124358 (Contract Repair).

Upon motion of Mr. Dunlap, seconded by Mr. Jones, the above recommendation was approved by unanimous roll call vote.

B. Parking Lot West of Pedestrian Bridge - Employment of Engineers

President Fawcett recommended that the engineering firm of Bonham, Grant and Brundage, Ltd., be employed to provide engineering services for preliminary work, preparation of plans and specifications and supervision of project until completion.

The fee for this service will be calculated on an hourly rate schedule but not to exceed \$10,000.00.

Funds for this project have been provided from Budget Account 801214 (Parking Lot West of Pedestrian Bridge).

Upon motion of Mr. Hilliker, seconded by Mr. Shocknessy, the above recommendation was approved by unanimous roll call vote.

C. Marion Campus - Water Line Easement, The Marion Water Company

The Marion Water Company has requested an easement for a water main across State of Ohio lands that have been designated for the use of The Ohio State University, Marion Branch. The water main will provide service for new customers and will complete a loop which will reinforce the service to the Branch Campus.

The Ohio State University, by cooperating with the Marion Water Company will facilitate the orderly development of the residential community adjacent to the Marion Campus as well as reinforcing the water service to the Marion Campus.

President Fawcett recommended that the water line easement be granted to the Marion Water Company. It was further recommended that the President

October 8, 1969 meeting, Board of Trustees

VII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Marion Campus - Water Line Easement, The Marion Water Company  
(continued)

and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide the water line easement.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the above recommendations were approved by unanimous roll call vote.

D. Acquisition of Property for Educational, Research and Service Facilities

The following resolution was presented for consideration by the Board of Trustees:

WHEREAS, The Ohio State University has acquired certain parcels of real estate located contiguous to Don Scott Field between Case Road and State Route 161, Sawmill Road and Godown Road; and

WHEREAS, the University, in planning to meet a portion of the needs of its students and its programs from the standpoint of educational, research and service facilities, deems it necessary to acquire additional property contiguous to Don Scott Field between Case Road and Route 161, Sawmill Road and Godown Road; and

WHEREAS, the Trustees of The Ohio State University have approved a master plan for the area; and

WHEREAS, the acquisition of this property is mandatory in meeting the needs of the University and serving the people of the State of Ohio; and the Board of Trustees of The Ohio State University finds it necessary to complete the acquisition of said real property;

THEREFORE, BE IT RESOLVED, that the President and/or Vice President for Business and Finance be authorized and directed to proceed with the purchase of said contiguous lands, using funds appropriated in Amended Substitute House Bill 531 for that purpose, and, in the event that negotiations to purchase said property at a fair and just compensation should fail, then, pursuant to his statutory authority, the Director of Public Works, for and on behalf of said Board of Trustees, shall be requested to exercise the right of eminent domain and acquire by condemnation for the State of Ohio and said University the above described property.

Upon motion of Mr. Dunlap, seconded by Mr. Shocknessy, the above resolution was adopted by unanimous roll call vote.

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October 8, 1969 meeting, Board of Trustees

#### VIII. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Charles D. Cooper, Professor Emeritus in the Department of Engineering Graphics; Osee Hughes Dewey, Associate Professor Emeritus in the School of Home Economics; Harry H. Weiser, Professor Emeritus of the Academic Faculty of Microbial and Cellular Biology, College of Biological Sciences; and Carl J. Wirthwein, Associate Professor Emeritus in the School of Physical Education. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

##### A. Charles D. Cooper

The Board of Trustees expresses its sorrow at the death on August 26, 1969, of Charles D. Cooper, Professor Emeritus in the Department of Engineering Graphics.

Professor Cooper was born in Cambridge, Ohio, on May 2, 1899, and graduated from The Ohio State University with the degree of Bachelor of Mechanical Engineering in 1923.

Professor Cooper joined the staff of the Department of Engineering Drawing in the Autumn Quarter of 1923. He was promoted to Assistant Professor in 1929, advanced to Associate Professor in 1940 and acquired the rank of Professor in 1944. He retired July 1, 1966, with the title of Professor Emeritus after 43 years of continuous teaching service.

Professor Cooper assisted in revisions of Engineering Drawing, Thomas E. French, from the 4th edition through the 6th edition. He was a contributing author to the 7th and 8th editions. He was one of the technical advisors for seven sound motion pictures and six coordinated film strips to accompany the 7th and 8th editions of French's Engineering Drawing. He was also co-author with the late Professor Paul E. Machovina of Series I and II, Engineering Drawing Problems, to accompany the 7th and 8th editions of Engineering Drawing. He likewise co-authored several editions of Engineering Graphics Problems with Professor Machovina from 1959 through 1963.

Professor Cooper's teaching was in diversified courses for several years. He assumed the chairmanship of the Committee on Instruction for the beginning courses in Engineering Drawing for freshman engineers in 1942 and supervised this work until his retirement in 1966. He was exceptionally resourceful, unusually productive, faithful and devoted to his teaching assignments.

While at the University he was a member of Acacia Fraternity, University Lodge #631 F. & A. M. and the Faculty Club.

In campus and community life he was an active and helpful associate and neighbor. As a member of Crestview Presbyterian Church he had served as a deacon and elder for many years.

October 8, 1969 meeting, Board of Trustees

VIII. RESOLUTIONS IN MEMORIAM (continued)

A. Charles D. Cooper (continued)

Professor Cooper was a member of the American Society for Engineering Education and the American Society of Mechanical Engineers. He was an active participant in the Engineering Drawing Division of ASEE and the Ohio Section of this society. He was a registered Professional Engineer in the State of Ohio.

Woodworking, gardening, photography and fishing were his avocations. He had built a small cottage on Webb Lake in Wisconsin where he enjoyed the summers with his family, particularly the years since his retirement.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Osee Hughes Dewey

The Board of Trustees expresses its sorrow at the death on September 3, 1969, of Mrs. Osee Hughes Dewey, Associate Professor Emeritus in the School of Home Economics.

Osee Hughes Dewey was born March 8, 1887. She received her Bachelor of Arts degree from the University of Kansas in 1918 and her Master of Science degree from the University of Chicago in 1930. She was a member of Phi Beta Kappa and Omicron Nu honoraries.

Food conservation work with Agricultural Extension Service in Detroit occupied Mrs. Dewey during the war year, 1918-19. In the fall of 1919, she was appointed Assistant Professor of Home Economics at Michigan State University. She was promoted to Associate Professor in 1923 and remained at Michigan State through 1929, serving also as Assistant Dean of Home Economics.

Mrs. Dewey joined the faculty at Ohio State in October 1930, as Instructor in Home Economics, became Assistant Professor in 1936 and Associate Professor in July 1945. She resigned in the summer of 1947 to be married to Mr. Ernest Dewey and went to live in Schenectady, New York, later moving to Morristown, New Jersey.

Osee Hughes Dewey was the author of the college textbook, Introductory Foods, published by the MacMillan Company in 1940. She wrote a number of bulletins published by the Agricultural Extension Service at Ohio State and several articles which appeared in Cereal Chemistry and the Journal of the American Dietetic Association. Research on the chemistry of starch cookery was carried on concurrently with teaching.

October 8, 1969 meeting, Board of Trustees

VIII. RESOLUTIONS IN MEMORIAM (continued)

B. Osee Hughes Dewey (continued)

Mrs. Dewey was a talented, well-liked teacher, with exceptional ability to transmit her wealth of knowledge in the field of food and nutrition.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy in its bereavement.

C. Harry H. Weiser

The Board of Trustees of The Ohio State University expresses its sorrow at the death on August 24, 1969, of Harry H. Weiser, Professor Emeritus of the Academic Faculty of Microbial and Cellular Biology, College of Biological Sciences.

Dr. Weiser was born January 26, 1898, in Delaware, Ohio. He was graduated from Delaware High School in 1917, served in the U. S. Army, 1917-1919, and obtained his Bachelor of Science in Agriculture degree from The Ohio State University in 1923. During four years of high school science teaching, the last two in association with the Teacher Training Department of Ohio Wesleyan University, he obtained his Master of Science degree at Ohio State (1926). In 1928 he returned to Ohio State as an Instructor in Bacteriology, working through the ranks until his retirement as Professor Emeritus in 1968, meanwhile obtaining his Doctor of Philosophy degree at Iowa State College (1936). He was a member of two honorary societies: Sigma Xi and Gamma Sigma Delta, and several scientific societies including the Society of American Microbiologists, the American Dairy Association, the American Public Health Association and the American Water Works Association. These wide interests and activities are reflected in the more than 160 publications of Dr. Weiser, including a book: Practical Food Microbiology (1962).

Dr. Weiser played a prominent role in the development of microbiology at Ohio State both through contributions to his own department and through his extensive cooperation with the food technology, dairy technology, sanitary and nutrition groups on the campus. He not only found time to do extensive teaching on the undergraduate level, but advised many graduate students and carried out both varied and extensive research programs in the areas of food, dairy and water microbiology. Few individuals have contributed as much over such a long period to Ohio State as has Dr. Weiser. Dr. Weiser has written, "During the past 40 years I have treasured my teaching experience involving 11,650 students." This experience has been reciprocally treasured. His colleagues both off and on the campus similarly treasure their experiences, personally and professionally.

VIII. RESOLUTIONS IN MEMORIAM (continued)

C. Harry H. Weiser (continued)

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Weiser its deep sympathy. It was directed that this Resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family has sustained.

D. Carl J. Wirthwein

The Board of Trustees expresses its sorrow at the death on September 2, 1969, of Carl J. Wirthwein, Associate Professor Emeritus in the School of Physical Education.

Although a much-traveled man in the states and frequent visitor in Europe, Professor Wirthwein was a native Ohioan and a resident of Columbus for 72 years. After graduating with a B. A. degree from The Ohio State University in 1922, he served with distinction in the Columbus Public Schools until 1935 as a teacher at the Eleventh Avenue School and McKinley Junior High School. Following the receipt of his M. A. degree from Columbia University, he served 31 years as a member of the faculty of the Physical Education Department for Men, at The Ohio State University.

"Educating young people to live most and serve best" was his theme and it served as the generative force that enabled him to make his most important contributions. These embraced the teaching of physical education and health education to young people, assistant coach of tennis and swimming, meet manager of the Ohio State High School Tennis and Swimming Championships and official timer for intercollegiate basketball and football games.

His notable achievements in the sport world were signaled by the Gold Tuxis Medallion from Culver Military Academy, Central Ohio singles tennis champion, and teamed with his brother Herman, doubles champion and then captain of The Ohio State University tennis team in 1922. His activities outside the University touched such athletic, benevolent and civic organizations as the National College Swimming Coaches Association, the Ace of Clubs, the Columbus Board of Education and the Humbolt Lodge, Scottish Rite and Shrine. The first three honored him by electing him their president.

It was said by Thomas Jefferson that, "Man is the substance of the things he loves." During his colorful career Professor Wirthwein was a talented teacher, a capable coach, a wise counselor, a productive participant in civic affairs, a member of that noble band who gave unselfishly of himself in order that "young people might live most and serve best." This was his concern, his contribution and his legacy.

October 8, 1969 meeting, Board of Trustees

VIII. RESOLUTIONS IN MEMORIAM (continued)

D. Carl J. Wirthwein (continued)

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this Resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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IX. REPORT

A. Report on the University's Investment Portfolio

The report dated October 7, 1969, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Thursday, November 13, 1969, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 13, 1969

The Board of Trustees met at its regular monthly meeting on Thursday, November 13, 1969, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, William C. Safford, Jack G. Gibbs, Frederick R. Eckley and M. Merle Harrod.

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Minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Revisions of Rule 35.07 of Rules  
for the University Faculty

The Faculty Council on October 14, 1969, approved the following revisions in Rule 35.07 of Rules for the University Faculty (See Appendix II, page 261), effective Winter Quarter, 1970.

1. That the Progress grade (P) be modified to include the specification that when the final mark is recorded all previous "Progress" hours shall assume the value of the final mark.
2. That the Satisfactory grade (S) be used for passing work in individual studies courses rather than A, B, C, D, and that the Unsatisfactory grade (U) be used for unsatisfactory work in those same courses in place of E.

President Fawcett recommended that this action of the Faculty Council be approved.

Upon motion of Mr. Shocknessy, seconded by Mr. Harrod, the Board of Trustees approved the above recommendation by unanimous voice vote, and the Secretary of the Board of Trustees was further instructed and given authority to make the foregoing changes in Rule 35.07 in the next printing of the Rules for the University Faculty.

B. Programs Leading to the Degrees Civil  
Engineer and Industrial Engineer

The Board of Trustees approved a revision of the curricula in the College of Engineering on November 14, 1968. This new program included advanced professional degree programs leading to the degrees of Electrical Engineer and Mechanical Engineer.

These new programs have now been expanded to include the advanced professional degree programs leading to the degrees of Civil Engineer and Industrial Engineer. The Faculty Council on October 14, 1969, approved the proposal from the Council on Academic Affairs that these programs be included in the framework of the College of Engineering in the revised curricula programs.

President Fawcett recommended that the above proposal for the establishment of the two new professional degrees be approved, effective immediately.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous voice vote.

November 13, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Naming of Buildings

Upon the recommendation of the students on the Mansfield Campus and the Advisory Committee to OSU/Mansfield, and with the concurrence of Dean Richard Zimmerman, it was proposed that the Phase I Building on the Mansfield Campus be named "Ovalwood Hall" and that the Phase II structure be named "Dwight D. Eisenhower Memorial Center."

Dean Richard Zimmerman of the University College has proposed that the three buildings presently under construction on the West Campus be named as follows:

Building I, located at 1080 Carmack Road, be named "Bevis Hall" to honor the late President Howard L. Bevis.

Building II, located at 1060 Carmack Road, be named "Rightmire Hall" to honor the late President George W. Rightmire.

Building III, located at 1070 Carmack Road, be named "Learning Resources Center."

These proposals have the concurrence of the President's Cabinet and are in accordance with the Bylaws of the Board of Trustees. President Fawcett recommended that the said proposals be approved.

Upon motion of Mr. Hilliker, seconded by Mr. Eckley, the Board of Trustees approved the above recommendation by unanimous voice vote.

D. Naming of Streets

Upon the recommendation of the students on the Mansfield Campus and the Advisory Committee to OSU/Mansfield, and with the concurrence of Dean Richard Zimmerman, it was proposed that the main entrance road from State Route 39 on the Mansfield Campus be named "University Drive." It was proposed further that a loop road which runs west from the University Drive through the existing parking lot to the Mansfield Technical Building be named "Kenwood Circle."

These proposals have the concurrence of the President's Cabinet, and President Fawcett recommended that the said proposals be approved.

Upon motion of Mr. Harrod, seconded by Mr. Jones, the Board of Trustees approved the above recommendation by unanimous voice vote.

November 13, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Establishment of the Battelle Professorship in Theoretical Chemistry

Pursuant to the conditions set forth for the establishment of a "Named Professorship," adopted by the Board of Trustees, President Fawcett recommended that the "Battelle Professorship in Theoretical Chemistry" be established at The Ohio State University, effective October 1, 1970.

The Battelle Professorship is to be established in the specific area designated by the title; namely, Theoretical Chemistry. The budgeting of the salary is to be shared between Battelle Memorial Institute and the University with Battelle providing \$12,000.00 per annum on a continuing basis.

Upon motion of Mr. Jones, seconded by Mr. Eckley, the Board of Trustees approved the above recommendation by unanimous voice vote.

F. Honorary Degree

The Faculty Council on October 14, 1969, recommended that the honorary degree, Doctor of Science, be conferred on the following individual:

Edward A. Hobart

President Fawcett recommended that the Board of Trustees approve the awarding of the honorary degree to the above-identified person.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above recommendation was approved by unanimous voice vote.

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II. PERSONNEL CHANGES

A. Change in Responsibility

President Fawcett made the following statement concerning the Change in Responsibility for Dr. Alfred B. Garrett:

Dr. Alfred B. Garrett, who for seven years has been Vice President for Research, has asked to return to the Department of Chemistry on January 1. During Dr. Garrett's tenure in the Office of Research, The Ohio State University has significantly increased the extent of its research and has dramatically enlarged the volume of annual contracts for faculty research. His service as Vice President for Research is simply one of many contributions Alfred B. Garrett has made to this University since he first came here 40 years ago as a graduate student.

November 13, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

A. Change in Responsibility (continued)

Professor Garrett's desire to teach again after many years in research and administration signifies the ideal relation of classroom instruction to faculty research. Both teaching and research are important at Ohio State, as Dr. Garrett's career indicates.

In addition to his work in the Chemistry Department, Dr. Garrett will continue in his role as Chairman of the Centennial Committee.

Effective January 1, 1970, the Office of Research will be merged with the Office of Academic Affairs. Vice President and Provost Robinson will add to his role the responsibilities that Dr. Garrett has carried in the President's Cabinet, the Council on Research and The Ohio State University Research Foundation.

By combining research and instruction in the Office of Academic Affairs, we hope to reinforce the policy that teaching and research are integral parts of the academic mission of this University. Research programs bear importantly on teaching activities, and policies about instruction vitally affect research. By coordinating leadership of both these missions in the same office, we expect to strengthen the one without weakening the other.

During the next several months, Dr. Robinson who has wide experience in research and in the administration of research, will study in detail the University's organizational structure as it relates to research. He wishes to consult with the Council of Deans, the Council on Academic Affairs, the Council on Research, the Graduate Council and the Board of the Research Foundation before making any further changes. At a later date, he will submit recommendations for changes in organization.

B. Resignation

President Fawcett announced that Paul G. Craig will resign from the Deanship of the College of Social and Behavioral Sciences to assume the position of Vice President for Academic Affairs at Florida State University, effective at the end of Winter Quarter.

In addition to the foregoing personnel recommendations, President Fawcett recommended that all personnel changes since the October 8, 1969 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Appointments, Promotions, Leave of Absence With Salary and Leaves of Absence Without Salary:

C. Appointments

Francis A. Ruzicka, Professor and Chairman, College of The Arts - Division of Art, effective July 1, 1970, at a salary of \$22,488.00 per annum.

November 13, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Appointments (continued)

Robert W. Teater, Acting Director, School of Natural Resources, effective November 1, 1969, at No Salary. Dr. Teater will continue to serve as Associate Dean in the College of Agriculture and Home Economics and as Assistant Director at the Ohio Agricultural Research and Development Center. Dr. Teater's appointment as Professor in the Department of Agronomy at No Salary will be continued.

D. Promotions

John O. Riedl, Jr., from Assistant Professor in the Department of Mathematics to Assistant Dean (part time - 75%) in the College of Mathematics and Physical Sciences, effective October 1, 1969. Dr. Riedl will continue to hold an appointment as Assistant Professor (part time - 25%) in the Department of Mathematics, at a combined salary of \$16,368.00 per annum.

Randall B. Ripley from Professor in the Department of Political Science to Professor in and Chairman of the Department of Political Science, effective November 1, 1969, at a salary of \$19,248.00 per annum.

E. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named person was recommended for Leave of Absence With Salary from the Cooperative Extension Service for the period indicated:

Harry L. Barr, Associate Professor (Extension Specialist, Dairy Science) (part time - 80%), effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at Cornell University.

F. Leaves of Absence Without Salary

Irving Abramowitz, Professor, College of Administrative Science - Management Science, effective January 1, 1970 through June 30, 1970, for consultation and research in business.

William H. Johnson, Professor (part time - 15%), Department of Agricultural Engineering, effective October 1, 1969 through June 30, 1970, to participate in a program of professional improvement at Texas A & M.



November 13, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

F. Leaves of Absence Without Salary (continued)

Hans J. Zassenhaus, Professor, Department of Mathematics, effective January 1, 1970 through March 31, 1970, to participate as a Distinguished Visiting Scholar in a special research program sponsored by the University of California.

Harry L. Barr, Associate Professor (part time - 20%), Department of Dairy Science, effective October 1, 1969 through December 15, 1969, to participate in a program of professional improvement at Cornell University.

Jerome G. Miller, Associate Professor, School of Social Work, effective November 1, 1969 through June 30, 1970, to accept an appointment as Commissioner of Youth Services for the State of Massachusetts.

Bradley M. Richardson, Associate Professor, Department of Political Science, effective January 1, 1970 through September 30, 1970, to accept a Fulbright grant in Germany.

Jack P. Tull, Associate Professor, Department of Mathematics, effective January 1, 1970 through September 30, 1970, to accept an appointment to a Chair in Mathematics at the University of Zambia.

Leota L. Balsizer, Assistant Professor (County Extension Agent, Home Economics) Sandusky County, Cooperative Extension Service, effective October 1, 1969 through October 31, 1969, for personal reasons.

Joan E. Herr, Assistant Professor, School of Home Economics, effective October 1, 1969 through September 30, 1970, for personal reasons.

Gordon L. McDonald, Instructor (County Extension Agent, 4-H) Columbiana County, Cooperative Extension Service, effective September 25, 1969 for an indefinite period - military leave.

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the Change in Responsibility, Resignation, Appointments, Promotions, Leave of Absence With Salary, Leaves of Absence Without Salary and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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November 13, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
September 25 - October 24, 1969

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	15	\$ 887,609.00
Industrial and Other Research	2	24,560.00
<u>Grants</u>		
Government Research - Federal	23	1,433,795.00
Industrial and Other Research	<u>2</u>	<u>12,483.00</u>
Totals	42	\$2,358,447.00

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of the Navy, Office of Naval Research, Washington, D. C., Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Amend. #21 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$169,787.00.
- b. Department of State, Agency for International Development, Washington, D. C., Technical Assistance in the Development of a National Plan for Human Resources in Ecuador (to be known as Agency for International Development Project No. 2158 - Amend. #17 - Department of Economics).  
Gross Value - \$3,000.00.
- c. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Survey of Technology on Communication Through Plasma Sheath (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2438 - Mod. #6 - Department of Electrical Engineering).  
Gross Value - \$13,330.00.
- d. Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Proposal for a Theoretical Study of Separated Flows at High Reynolds Number (to be known as Aeronautical Systems Division Project No. 2550 - Mod. #3 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$19,355.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. Air Force Institute of Technology, United States Air Force, Wright-Patterson Air Force Base, Ohio, AFIT Defense Weapon Systems Management Seminar (to be known as Air Force Institute of Technology Project No. 2659 - Mod. #5 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$8,930.00.
- f. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Intermittent Research on Material Problems (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2731 - Mod. #5 - Research Foundation).  
Gross Value - \$6,950.00.
- g. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Research on Stress Corrosion Cracking on Metallic Materials (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2737 - Mod. #1 - Department of Metallurgical Engineering).  
Gross Value - \$160,000.00
- h. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Experimental and Theoretical Investigations in the Area of Artificial Turbulence Generation in Supersonic and Hypersonic Wind Tunnels (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2756 - Mod. #1 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$74,979.00.
- i. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 2855 - Mod. #1 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$250,000.00.
- j. Department of Health, Education and Welfare, U. S. Office of Education, Contracts and Grants Division, Washington, D. C., A Review and Analysis of the Model Elementary Teacher Education Projects Developed Through the Bureau of Research (to be known as U. S. Office of Education Project No. 2865 - New - College of Education - Early and Middle Childhood Education).  
Gross Value - \$20,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- k. Department of the Navy, Office of Naval Research, Washington, D. C., Voice Communication (to be known as Office of Naval Research Project No. 2928 - New - Department of Speech).  
Gross Value - \$20,043.00.
- l. U. S. Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Development and Presentation of a Program of Instruction in Geodesy (to be known as Air Force Institute of Technology Project No. 2930 - New - Department of Geodetic Science).  
Gross Value - \$29,000.00.
- m. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, High Temperature Electrochemical Research in Metallurgy (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2932 - New - Department of Metallurgical Engineering).  
Gross Value - \$89,814.00.
- n. Department of Health, Education and Welfare, Public Health Service, Consumer Protection and Environmental Health, Rockville, Maryland, Course for Contract Orientation for Project Officers (to be known as Consumer Protection and Environmental Health Project No. 2940 - New - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$1,956.00.
- o. Department of Health, Education and Welfare, Social Security Administration, Baltimore, Maryland, The Development and Preliminary Testing of a Methodology for the Costing and Financial Evaluation of the Prescription Operations of Community (Retail) Pharmacies (to be known as Social Security Administration Project No. 2941 - New - College of Pharmacy).  
Gross Value - \$20,465.00.

TOTAL - Government Research Contracts - Federal \$887,609.00

2. Industrial and Other Contracts

- a. National Academy of Science-National Academy of Engineering, Washington, D. C., Effective Interplay of Engineering with Biology and Medicine (to be known as National Academy of Science-National Academy of Engineering Project No. 2775 - Amend. #2 - Department of Electrical Engineering).  
Gross Value - \$20,870.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

2. Industrial and Other Research Contracts (continued)

- b. Washoe County School District, Reno, Nevada, IACP Demonstration Program with the Washoe County School District (to be known as Washoe County School District Project No. 2939 - New - College of Education).  
Gross Value - \$3,690.00.

TOTAL - Industrial and Other Research Contracts \$24,560.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Division of Research Facilities and Resources, Bethesda, Maryland, General Clinical Research Center (to be known as National Institutes of Health Project No. 1196-2J - Ext. #9 - Department of Medicine).  
Gross Value - \$305,598.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Division of Research Facilities and Resources, Bethesda, Maryland, General Clinical Research Center (to be known as National Institutes of Health Project No. 1196-3J - Ext. #9 - Department of Medicine).  
Gross Value - \$169,028.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Hemodynamic Studies (to be known as National Institutes of Health Project No. 1409-H - Ext. #8 - Department of Physiology).  
Gross Value - \$12,197.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Ligand Reactions and Homogeneous Catalysis (to be known as National Institutes of Health Project No. 1501-G - Ext. #7 - Department of Chemistry).  
Gross Value - \$66,630.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institute of Mental Health, Health Services and Mental Health Administration, Bethesda, Maryland, Time and Training Effects in Compound Conditioning (to be known as National Institute of Mental Health Project No. 1779-E - Ext. #5 - Department of Psychology).  
Gross Value - \$43,680.00.

November 13, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Factors Controlling Testicular Tissue Metabolism (to be known as National Institutes of Health Project No. 1786-F - Ext. #6 - Department of Dairy Science).  
Gross Value - \$41,594.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Polyunsaturated Fatty Acid Interconversions (to be known as National Institutes of Health Project No. 2090-D - Ext. #4 - Department of Physiological Chemistry).  
Gross Value - \$23,386.00.
- h. Department of Health, Education and Welfare, Public Health Service, Division of Research Facilities and Resources, Bethesda, Maryland, An NMR Facility for Biomedical Research (to be known as Division of Research Facilities and Resources Project No. 2439-B - Ext. #2 - College of Pharmacy).  
Gross Value - \$12,181.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, A Core Facility for A Cardiovascular Research Program (to be known as National Institutes of Health Project No. 2507-B - Ext. #2 - Department of Medicine).  
Gross Value - \$203,595.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Neural Coding in the Visual Pathways (to be known as National Institutes of Health Project No. 2510-B - Ext. #2 - College of Optometry).  
Gross Value - \$19,091.00.
- k. Department of Health, Education and Welfare, U. S. Office of Education, Chicago, Illinois, The Efficacy of Home Economics Courses Designed to Prepare Disadvantaged Pupils for Their Homemaker-Family Member Role and the Dual Roles of Homemaker and Wage Earner, Part C (to be known as U. S. Office of Education Project No. 2522 - Rev. #2 - School of Home Economics).  
Gross Value - \$21,320.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- l. National Aeronautics and Space Administration, Washington, D. C., Electron Beam Pumped Laser Action in Selenium and Tellurium with Applications for Tunable Backward Wave Parametric Oscillations (to be known as National Aeronautics and Space Administration Project No. 2679 - Sup. #1 - Department of Electrical Engineering).  
Gross Value - \$15,000.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria (to be known as National Institutes of Health Project No. 2720-A - Ext. #1 - Department of Physiological Chemistry).  
Gross Value - \$20,811.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Metabolism of the Stereoisomers of Ephedrine (to be known as National Institutes of Health Project No. 2727-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$23,736.00.
- o. U. S. Office of Education, Chicago, Illinois, Response Class in Learning and Memory (to be known as U. S. Office of Education Project No. 2804 - Rev. #2 - Department of Psychology).  
Gross Value - \$825.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Division of Nursing, Bethesda, Maryland, Research Development Program (to be known as National Institutes of Health Project No. 2927 - New - School of Nursing).  
Gross Value - \$63,465.00.
- q. National Science Foundation, Washington, D. C., Radio Astronomy (to be known as National Science Foundation Project No. 2929 - New - Department of Electrical Engineering).  
Gross Value - \$230,000.00.
- r. National Science Foundation, Washington, D. C., Comparison of Spectra of Mira Variables of Type Ce with Typical Carbon Stars (to be known as National Science Foundation Project No. 2931 - New - Department of Astronomy).  
Gross Value - \$14,800.00.

November 13, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- s. National Science Foundation, Washington, D. C., New Synthetic Reactions by the 3, 2, 1-Bicyclic Mechanism (to be known as National Science Foundation Project No. 2933 - New - Department of Chemistry).  
Gross Value - \$35,400.00.
- t. National Science Foundation, Washington, D. C., Geophysical and Glaciological Studies Along the Byrd Station Strain Net, Antarctica (to be known as National Science Foundation Project No. 2934 - New - Institute of Polar Studies).  
Gross Value - \$39,300.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Phospholipid Autoantibodies in Humans and Animals (to be known as National Institutes of Health Project No. 2942 - New - Department of Medical Microbiology).  
Gross Value - \$20,894.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Pathology of Myocardial Hypertrophy (to be known as National Institutes of Health Project No. 2944 - New - Department of Pathology).  
Gross Value - \$18,364.00.
- w. National Science Foundation, Washington, D. C., Shear Center and Warping Torsion Hypotheses as Applied to Curved Members (to be known as National Science Foundation Project No. 2945 - New - Department of Civil Engineering).  
Gross Value - \$32,900.00.

TOTAL - Government Research Grants - Federal \$1,433,795.00

4. Industrial and Other Research Grants

- a. The Eastern Ohio Heart Association, Inc., Youngstown, Ohio, Ultrastructure of Cardiac Conduction System in Anoxia and Ischemia (to be known as The Eastern Ohio Heart Association, Inc., Project No. 2937 - New - Department of Pathology).  
Gross Value - \$7,483.00.



### III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

b. American Cancer Society, Ohio Division, Franklin County Unit, Columbus, Ohio, Histochemical and Ultrastructural Evaluation of the Enhancement Effect of Topical Vitamin A on DMBA - Induced Tumorigenesis (to be known as American Cancer Society, Ohio Division, Franklin County Unit Project No. 2938 - New - College of Dentistry).  
Gross Value - \$5,000.00.

Upon motion of Mr. Harrod, seconded by Mr. Eckley, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous roll call vote.

During the period from September 26, 1969 through October 22, 1969, the Engineering Experiment Station of The Ohio State University entered into the following research contract. This research contract was reported to the Board of Trustees for information and the record.

EES 279X Investigation of Soil-Structure Interaction in Culvert  
Ext. #10 Pipes, Ohio Department of Highways, Columbus,  
Ohio.  
Gross Value - \$31,920.00.

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The following grants and gifts to the University were among those received since October 8, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

Administered Through the Office of Business and Finance	\$155,706.00
Received Through The Ohio State University Development Fund	206,465.60

November 13, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance

1. \$137,126.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of an "Academic Year Institute in Science for Secondary School Teachers," under the direction of the College of Education. This grant terminates on July 31, 1971. (GW-4808)
2. \$18,580.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of a "Short Course on Models of Urban Spatial Structure and Ecology for College Teachers," under the direction of the Department of Geography. This grant terminates on September 30, 1970. (GY-6960)

TOTAL - Administered Through the Office of Business and Finance -  
\$155,706.00

B. Received Through The Ohio State University Development Fund

1. \$35,194.00 from Ohio Electric Utility Institute, Columbus, Ohio, for the Ohio Electric Utility Institute Fellowship Fund in the Department of Electrical Engineering.
2. \$25,500.00 from the Ohio Lion's Eye Research Foundation, New Philadelphia, Ohio--\$15,500.00 for the Ohio Lion's Club Blindness Research Fund and \$10,000.00 for the Ophthalmologic Center Fund.
3. \$23,000.00 from the Trust under the Will of Glenna R. Joyce, Columbus, Ohio, for the Glenna R. Joyce Scholarship Fund.
4. \$15,680.00 from the Trust under the Will of Anna Roessler, Columbus, Ohio, for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
5. \$11,300.00 from Eli Lilly and Company, Indianapolis, Indiana, for the Infectious Disease Research Fund in the College of Medicine.
6. \$9,181.25 from the Morris Animal Foundation for the Mark L. Morris Animal Foundation in the College of Veterinary Medicine.
7. \$8,295.14 from the Newark OSU Development Campaign, Newark, Ohio, for the Newark Campus Scholarship Fund.
8. \$7,506.00 from The Charles F. High Foundation, Bucyrus, Ohio, for The Charles F. High Foundation Scholarship Fund.

November 13, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

9. \$7,065.00 from The Grace High Washburn Trust for The Grace High Washburn Trust Scholarship Fund.
10. \$6,914.51 from the Estate of Lillian B. Burgwald, (In the name of Lillian B. Burgwald), New York, New York, for the L. H. Burgwald Memorial Fund.
11. \$6,600.00 from the American Foundation for Pharmaceutical Education, Washington, D. C., for the American Foundation for Pharmaceutical Education Fellowship Fund.
12. \$6,400.00 from International Business Machines Corporation, Armonk, New York, for the International Business Machines Corporation Fellowship Fund in the Department of Mathematics.
13. \$5,575.00 from Goodyear Tire & Rubber Company Foundation-- \$4,200.00 for the Goodyear Foundation Fellowship Fund and \$1,375.00 for the Goodyear Foundation Scholarship Fund.
14. \$5,500.00 from the Cummins Engine Company, Inc., Columbus, Indiana, for the Cummins Engine Company Fellowship Fund in the Department of Mechanical Engineering.
15. \$5,004.70 from the Estate of Clifford C. Baltzly, (In the name of Clifford C. Baltzly), Philadelphia, Pennsylvania, for the Clifford C. Baltzly Scholarship Fund.
16. \$5,000.00 from the Buckeye International Foundation, Columbus, Ohio, for the Center for Tomorrow Fund.
17. \$5,000.00 from General Electric Company, Ossining, New York, for the General Electric Graduate Research and Study Grant Fund in Aeronautical and Astronautical Engineering.
18. \$4,500.00 from The Rockefeller Foundation, 111 West 50th Street, New York, New York, as an unrestricted gift to the University.
19. \$3,500.00 from Ernest G. Fritsche & Company, Columbus, Ohio, for the Ernest G. Fritsche Fellowship in the School of Architecture (City and Regional Planning).
20. \$2,000.00 from the Armco Foundation--\$1,500.00 for the Armco Foundation Scholarship in Metallurgical Engineering and \$500.00 for the Department of Metallurgical Engineering Support Fund.
21. \$2,000.00 from the Chemical Industry Council of Ohio, Marietta, Ohio, for the Chemical Industry Council of Ohio Fund in the Department of Chemical Engineering.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

22. \$1, 100. 00 from the OSU College of Law, Class of 1966, for the establishment of the College of Law, Class of 1966 Fund.

College of Law, Class of 1966 Fund

The College of Law, Class of 1966 Fund was established November 13, 1969, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members of the College of Law Class of 1966.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

Seventy-five per cent of all monies paid into the Fund in any year will be made available to the College of Law to be used for scholarships, student loans and other financial aids to Law students, and twenty-five per cent of all monies paid into said Fund each year shall be retained therein to eventually provide a named law professorship in the name of the Class of 1966.

23. \$1, 000. 00 from the J. T. Edwards Company Foundation, Inc., (In the name of David A. Edwards)--\$500. 00 for the J. T. Edwards Company Scholarship Fund, \$350. 00 as an undesignated gift to the University and \$150. 00 for the Student Athlete Grant-in-Aid Fund.
24. \$1, 000. 00 from Dr. William A. Hammond for the William A. Hammond Lectureship Fund.
25. \$1, 000. 00 from The Heer Foundation (In the name of Walter F. Heer, Sr.)--\$500. 00 for the Student Athlete Grant-in-Aid Fund and \$500. 00 for the Operation Eye Research Fund.
26. \$1, 000. 00 from Frederick W. R. Pride--\$500. 00 for the Department of Athletics Discretionary Fund and \$500. 00 for the College of Law Emergency Fund.
27. \$650. 00 from Dr. Frederick W. Hebbard, Dean of the College of Optometry, for the establishment of the Hebbard Optometry Scholarship Fund.

Hebbard Optometry Scholarship Fund

The Hebbard Optometry Scholarship Fund was established November 13, 1969, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dr. Frederick Hebbard, Dean, College of Optometry.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

27. Hebbard Optometry Scholarship Fund (continued)

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for students enrolled in the College of Optometry whose grades in pre-optometry averaged B or higher, with priority given to those with grades above 3.3, or whose work in the College of Optometry averaged B or higher and did not fall below B during the previous academic year, with priority given to those with cumulative averages above 3.3. The maximum award of such scholarship per student each year shall be \$600, adjusted for inflation which may occur after the 1970 base period. Consideration should be given to need and to scholarly attainment in making awards. As a recipient of scholarships from his alma mater and as one who contributed to his alma mater an amount equal to the scholarship help when he was able, the donor requests that all students who are helped through the Hebbard Optometry Scholarship Fund be encouraged to make gifts to this fund (after they have graduated and when they have the opportunity) at least equal to the help that they received so that the principal of the fund may in time grow large enough to help more good students to obtain education in optometry.

Should the income from this fund be large enough to provide scholarships for all students in the College of Optometry with grades high enough to meet the requirements, the balance of the income may be used for purposes to advance optometric education or research, as may be recommended by the dean, with consideration being given to an annual monetary award to the College of Optometry faculty member selected as the outstanding teacher for that year.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, or should the College of Optometry cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in optometry.

TOTAL - Received Through The Ohio State University Development  
Fund - \$206,465.60

IV. GRANTS AND GIFTS (continued)

C. Gifts-in-Kind

1. Raytheon Laser Power Supply, a Laser Transmitter Head and a Set of Associated Cables and Schematics, housed in the ElectroScience Laboratory, Department of Electrical Engineering, from The Raytheon Corporation, Lexington, Massachusetts.
2. One 24" Laboratory Film Laminating System (Extruder) with Associated Equipment, housed in the Department of Chemical Engineering, from Sinclair-Koppers Company, Monaca, Pennsylvania.
3. A Siemens Elmiskop 101 Electron Microscope and Accessories, housed in the Department of Ceramic Engineering, from A. C. Spark Plug Division, General Motors Corporation, Flint, Michigan.
4. Magnetic Arc Equipment, housed in the Department of Welding Engineering, from Vitronix, Inc., Subsidiary of Data Science Corporation.

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the acceptance of the foregoing grants and gifts and the establishment of the above-named funds were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In September, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,153	\$ 43,197.53
Individuals other than alumni	93	15,637.42
Nonprofit organizations	41	201,415.18
Business concerns	19	105,467.39
	<u>2,306</u>	<u>\$365,717.52</u>

Of these gifts, 1,006 totaling \$352,661.01 were designated and 1,300 totaling \$13,056.51 were undesignated.

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V. EXTRAS AND CREDITS TO CONTRACTS

On July 13, 1967, the Board of Trustees authorized the Vice President for Business and Finance to approve change orders which were necessary to expedite completion of construction projects. In accordance with this authorization, all extra and credit orders to contracts which have been completed were reported:

November 13, 1969 meeting, Board of Trustees

V. EXTRAS AND CREDITS TO CONTRACTS (continued)

A. Ohio Stadium Repairs

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 106,300.00	\$ 136,718.00	\$30,418.00

B. Newark Campus - Parking Lot Surfacing

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 31,339.78	\$ 36,020.52	\$ 4,680.74

C. Systems Engineering Building

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$2,484,309.00	\$2,501,172.70	\$16,863.70

D. School of Nursing

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$1,924,340.00	\$2,016,274.11	\$91,934.11

E. Mansfield Branch - Phase II

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 899,990.00	\$ 898,717.18	(\$ 1,272.82)

Upon motion of Mr. Jones, seconded by Mr. Gibbs, the above extra and credit orders to contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

Mr. Jack Gibbs inquired about adding additional seating capacity at the south end of the Stadium. Mr. Mount indicated that this matter was presently under consideration by a committee appointed by President Fawcett.

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VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

VI. PLANS AND SPECIFICATIONS (continued)

A. University Hospital - Renovation of 2nd Floor Radiology,  
Rooms 229-265 Inclusive

This project provides remodeling of the filing, recording and interpretation areas of the Second Floor Radiology Department to bring these areas up to today's hospital standards.

Funds for this project have been provided from Budget Account 960200 (Hospital Rotary).

B. University Hospital - Electrical Distribution System in Patient Area

This project provides for the installation of a 1500 KVA transformer substation in the Hospital roof area with necessary primary and secondary switchgear for extended electrical power for patient floors 5 through 11.

Funds for this project have been provided by a transfer from Budget Account 809998 (Hospital Capital Reserve) to Budget Account 801216 (Hospital Air Conditioning).

C. University Affiliated Facility for the Mentally Retarded

This project provides facilities for a University-wide interdisciplinary program for training, service and research in the area of Mental Retardation.

Funds for this project have been provided by State appropriations in H. B. 202, H. B. 886 and H. B. 828 and from a Federal Grant.

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:



November 13, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

A. Systems Engineering - Area 480 Computer Facility

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received 9-30-69)		
Ed Ross Construction Company		
(Westerville)		
Base bid	\$ 22,495.00	\$ 32,000.00
Alt. G-1 Chalkboards	625.00	700.00
Total	<u>\$ 23,120.00</u>	<u>\$ 32,700.00</u>
<u>Heating and Air Conditioning Contract</u>		
(2 bids received 10-9-69)		
Limbach Company (Columbus)		
Base bid	\$ 59,900.00	\$ 67,858.00
Alt. H-1 Dry-cooler air conditioning system for the air-cooled refrigeration system	7,900.00	20,000.00
Total	<u>\$ 67,800.00</u>	<u>\$ 87,858.00</u>
<u>Electrical Contract</u>		
(4 bids received 10-9-69)		
Reco Electric, Inc. (Columbus)		
Base bid	\$ 32,580.00	\$ 34,672.00
Alt. E-1 Electrical work for Alt. H-1	940.00	12,000.00
Total	<u>\$ 33,520.00</u>	<u>\$ 46,672.00</u>
<u>Total All Contracts</u>	<u>\$ 124,440.00</u>	<u>\$ 167,230.00</u>

Funds for this project have been provided by transfer from Budget Account 149993 (Plant Funds Reserve) and Budget Account 149997 (New Programs Reserve) to Budget Account 801172 (Systems Engineering Remodeling).

B. Research Center - Alterations to Area 200

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(8 bids received 10-7-69)		
Ed Ross Construction Company		
(Westerville)		
	\$ 11,467.00	\$ 15,700.00
<u>Heating, Ventilating and Air Conditioning Contract</u>		
(2 bids received 10-20-69)		
J. A. Guy, Inc. (Columbus)	15,900.00	18,000.00

November 13, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. Research Center - Alterations to Area 200 (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (4 bids received 10-7-69) Armstrong Electric Company (Columbus)	\$ 7,985.00	\$ 12,500.00
<u>Total All Contracts</u>	<u>\$ 35,352.00</u>	<u>\$ 46,200.00</u>

Funds for this project have been provided from the Research Foundation - Special Facilities Reserve.

C. Roof Repairs for 1969

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (3 bids received 10-7-69) Barrett Corporation (Columbus)	\$ 82,462.00	\$ 93,400.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

D. Primary Electric Line Relocation

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (5 bids received 10-14-69) Pence Electric Company (Columbus)	\$ 67,636.00	\$ 90,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

E. Comparative Medical Teaching and Research Facility

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (3 bids received 10-16-69) C. C. Vogel General Contractors (Columbus)		
Base bid	\$3,715,000.00	\$3,755,600.00
Alt. G-1 Substitution of ceiling materials	(46,900.00)	(40,000.00)
Alt. G-3 Substitution of wall coverings in certain areas	(1,000.00)	(17,000.00)
Alt. G-6 Install horse and cow stocks	2,000.00	2,500.00
Total Contract	<u>\$3,669,100.00</u>	<u>\$3,701,100.00</u>

November 13, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Comparative Medical Teaching and Research Facility (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Plumbing Contract</u>		
(4 bids received 10-16-69)		
Montoney's Heating & Piping Co.		
(Grove City)		
Base bid	<u>\$ 894,000.00</u>	<u>\$1,015,000.00</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(3 bids received 10-16-69)		
Limbach Company (Columbus)		
Base bid	<u>\$1,786,000.00</u>	<u>\$1,845,000.00</u>
<u>Electrical Contract</u>		
(3 bids received 10-16-69)		
Electric Power Equipment Co.		
(Columbus)		
Base bid	<u>\$1,171,982.00</u>	<u>\$1,080,000.00</u>
Alt. E-2 Polarized lighting panels	<u>300.00</u>	<u>800.00</u>
Total Contract	<u>\$1,172,282.00*</u>	<u>\$1,080,800.00</u>
<u>Specialty (Fixed Equipment) Contract</u>		
(4 bids received 10-16-69)		
NII Laboratory Furniture, Inc.		
(Hicksville, New York)		
Base bid	<u>\$ 292,423.00</u>	<u>\$ 497,200.00</u>
<u>Stage Equipment Contract</u>		
(1 bid received 10-16-69)		
The Janson Industries (Canton)		
	<u>\$ 4,784.00</u>	<u>\$ 8,000.00</u>
<u>Lecture Room Seating Contract</u>		
(1 bid received 10-16-69)		
Smith & Schaefer, Inc. (Cincinnati)		
Base bid	<u>\$ 31,748.00</u>	<u>\$ 50,000.00</u>
<u>Total All Contracts</u>	<u>\$7,850,337.00</u>	<u>\$8,197,100.00</u>

\*All bids on the Electrical Contract were over the Estimate of Cost but it is not believed that better bids could be obtained by readvertising and therefore award of this contract to the low bidder was recommended subject to the approval of the State Controlling Board.

November 13, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Comparative Medical Teaching and Research Facility (continued)

Funds for this project have been provided from State appropriations in S. B. 370, H. B. 202, H. B. 886 and H. B. 828 and a Federal Grant.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. University Hospital - Mechanical and Electrical Projects, Employment of Engineers

President Fawcett recommended that the engineering firm of W. E. Monks be employed to provide for the complete design and supervision of mechanical and electrical projects in University Hospital.

These projects include providing electrical power and distribution systems of sufficient capacity for serving new heating and ventilating systems through the original Hospital building.

The fee for this service will be based on 8 per cent of the contract cost for these projects. Funds have been provided by a transfer from Budget Account 960200 (Hospital Rotary) to Budget Account 801216 (Hospital Air Conditioning).

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the above recommendation was approved by unanimous roll call vote.

B. Ambulatory Patient Teaching Facility - Employment of Architects

President Fawcett recommended that the architectural firm of Dan A. Carmichael be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and complete supervision of construction.

The fee for this service will be based on about 5.7% of the construction cost less fees paid for schematics and funds have been appropriated in H. B. 531 for this service.

Upon motion of Mr. Shocknessy, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote.

VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Dentistry Addition - Employment of Mechanical Engineers

President Fawcett recommended that the engineering firm of H. A. Williams and Associates, Inc., be employed to provide for the complete professional engineering services for heating, ventilating and air conditioning, plumbing and electrical work for this project including design and preparation of basic stage documents. Upon completion of funding, this contract will be extended for the preparation of all remaining bidding documents (including final stage drawings, specifications and estimate of cost) and complete field supervision of construction.

The fee for the first phase of the contract will be based on 3/10 of 6 per cent of the construction cost and for the second phase, 7/10 of 6 per cent of the construction cost. Funds for this service have been provided by a transfer from Item 235-010 Architectural Planning (Ohio Board of Regents) to Item 315-072 Dental Building, Phase II, H. B. 531.

Upon motion of Mr. Safford, seconded by Mr. Hilliker, the above recommendation was approved by unanimous roll call vote.

D. Dentistry Addition - Employment of Structural Engineers

President Fawcett recommended that the engineering firm of Fling and Eeman, Inc., be employed to provide professional services for the structural system of this project, including design calculations, drawings, specifications, estimate of cost and checking of shop drawings. Upon completion of funding, the contract will be extended to include periodic supervision.

The fee for the first phase of the contract will be based on 0.75% of the General Contract cost and the second phase on 0.35% of the General Contract cost. Funds for this service have been provided by a transfer from Item 235-010 Architectural Planning (Ohio Board of Regents) to Item 315-072 Dental Building, Phase II, H. B. 531.

Upon motion of Mr. Safford, seconded by Mr. Hilliker, the above recommendation was approved by unanimous roll call vote.

E. Laneview Area - Acquisition of Property for Educational, Research and Service Facilities

WHEREAS, The Ohio State University has acquired certain parcels of real property bounded on the east by the Chesapeake and Ohio Railway, on the south by Lane Avenue, on the west by Kenny Road and on the north by lands titled in the name of the State of Ohio; and

WHEREAS, the University in planning to meet a portion of the needs of its students and its programs from the standpoint of educational, research and service facilities, will be required to acquire most, if not all, of the land lying between the Chesapeake and Ohio Railroad, Lane Avenue, Kenny Road and State of Ohio owned lands; and

VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Laneview Area - Acquisition of Property for Educational, Research and Service Facilities (continued)

WHEREAS, the Trustees of The Ohio State University deem that the acquisition of this land is mandatory in meeting the needs of the University and serving the people of the State of Ohio, and is in conformity with its Master Plan;

NOW, THEREFORE, BE IT RESOLVED, that the President and/or Vice President for Business and Finance be authorized and directed to proceed with the purchase of certain real estate within the area outlined above with funds designated by the Board of Trustees at the meeting of March 14, 1968 and, in the event negotiations to purchase said property at a fair and just compensation should fail, then, pursuant to his statutory authority, the Director of Public Works shall be requested to exercise the right of "eminent domain" and acquire by condemnation for the State of Ohio and said University the following described tract of real estate located in Clinton Township, Franklin County, Ohio:

Being Parcel Numbered 1125, a Part of Reservation  
"B," Second Wood Brown County Addition.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above resolution was adopted by unanimous roll call vote.

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IX. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Thomas D. Jenkins, Associate Professor, Cooperative Extension Service, College of Agriculture and Home Economics, and Charles A. Dambach, Professor in and Director of the School of Natural Resources, College of Agriculture and Home Economics. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. Thomas D. Jenkins

The Board of Trustees expresses its sorrow at the death on September 14, 1969, of Thomas D. Jenkins, Associate Professor, Cooperative Extension Service, College of Agriculture and Home Economics.

Professor Jenkins was born April 10, 1922, on his father's farm near Oak Hill, Ohio. He received his Bachelor of Science in Agriculture degree from The Ohio State University in December, 1948, and his Master of Science degree in Agricultural Education in December, 1960.

November 13, 1969 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

A. Thomas D. Jenkins (continued)

Professor Jenkins joined the United States Marine Corps in 1942 and was discharged as Technical Sergeant in 1945. He was appointed to the County Staff of the Ohio Cooperative Extension Service, College of Agriculture and Home Economics, as Instructor and Associate County Extension Agent in Clinton County in January, 1949, transferring to Union County in 1951 as County Agricultural Agent. He joined the State Staff of the Cooperative Extension Service as Leader of Special Projects in 1956, becoming Acting District Supervisor in 1957 and District Supervisor in 1958. He achieved the rank of Assistant Professor on July 1, 1967, and on July 1, 1969, became Associate Professor and Area Supervisor, Washington C. H. Area Center. In his capacity as Area Supervisor, Professor Jenkins was responsible for administrative and program matters affecting five Area Agents in the Washington C. H. Area Center and twenty-eight County Extension Agents in ten counties.

Professor Jenkins was a member of Epsilon Sigma Phi, Alpha Eta Chapter, the Ohio Adult Education Association, the Ohio Extension Professors Association and Gamma Sigma Delta - Agricultural Honorary. In 1966, he received the Farm Foundation Scholarship to the Extension Supervisor Program Development Workshop at Colorado State University. He was a participant in North-Central States Supervisory Workshops held at the University of Wisconsin in 1961, 1964 and 1968. In addition, he participated in three to four In-Service Training Conferences held annually.

Professor Jenkins served as ex-officio committee member on six Area Extension Industry Commodity Committees that are concerned with program development needs and problem identification (1966-69). He represented College and Extension as a member of the Southwest Ohio Water Advisory Council (1968-69).

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Charles A. Dambach

The Board of Trustees of The Ohio State University expresses its sorrow at the death on October 30, 1969, of Charles A. Dambach, Professor in and Director of the School of Natural Resources, College of Agriculture and Home Economics.

Dr. Dambach was born December 31, 1911, in Cleveland, Ohio. He was graduated from Burton High School in 1932. He attended The Ohio State University receiving the Bachelor of Science degree in 1937, Master of Science degree in 1941 and Ph.D. degree in 1945. His career in natural resource conservation began before he received his baccalaureate degree and spanned more than 35 years. He was employed by the United States

IX. RESOLUTIONS IN MEMORIAM (continued)

B. Charles A. Dambach (continued)

Department of Agriculture in 1934 and became Associate Regional Biologist before resigning to join the faculty of The Ohio State University in 1942. He developed and taught courses in conservation and in wildlife management and, for a time, served as Acting Director of the Ohio Cooperative Wildlife Research Unit. He also served as Director of the Ohio Conservation Laboratory. In 1950 he took a leave of absence from the University to become Chief of the Division of Wildlife of the Ohio Department of Natural Resources. In 1955 he returned to the University and became Director of the newly created Natural Resources Institute. For more than a decade the Institute functioned to stimulate and coordinate conservation activities throughout the University and in the State. In the general reorganization of the University a School of Natural Resources was organized under the leadership of Dr. Dambach and the functions of the Institute passed to the School. A program of instruction, extension and research was developed and implemented in the Autumn of 1969. In the opinion of many, including Dr. Dambach, the establishment of the School was one of the most significant events in the history of conservation in Ohio.

During his busy career he found time to serve on numerous advisory committees for governmental agencies and private foundations and to hold important offices in a number of state and national conservation organizations.

Those who knew Dr. Dambach well admired and were inspired by his indomitable spirit, his profound dedication to his work and the integrity and breadth of understanding which he exhibited. These personal qualities and the articulate manner in which he voiced his views and concerns brought substantial support for work in natural resources conservation to The Ohio State University. He engendered a loyalty in colleagues and students which was durable and effective in fostering the causes which he championed and will make his influence felt for many years. He was so engrossed in the tasks which he had set for himself that, even when he knew how little time was left, he gave of it unstintingly and without concern for his own comfort or well-being. His impressive accomplishments will challenge the best efforts of those who carry on his work and should be a source of immense inspiration and satisfaction to his family and friends.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Dambach its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University has sustained.

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November 13, 1969 meeting, Board of Trustees

X. REPORTS

A. Report on the University's Investment Portfolio and Accountant's Report on the University Dormitory Revenue Bond Funds

The report on the University's Investment Portfolio dated November 12, 1969, and the Accountant's Report on the University Dormitory Revenue Bond Funds, including the financial statements of June 30, 1969, prepared by Peat, Marwick, Mitchell & Co., as submitted to the Finance and Investment Committee of the Board of Trustees, were received and ordered to be filed with the official records of the Board.

B. Report on Student Work Projects

Mr. Frederick Jones indicated that he would like to report the following incident that he thought was quite a contrast to the Press coverage usually conveyed concerning student activities at this University. He suggested it might be refreshing for the Press to carry something favorable to our student body. The reported incident referred to was that recently a group of men students from Steeb Hall went to Mr. Dean Ramsey and volunteered to clean up Mirror Lake. Mr. Ramsey told them to go right ahead and that he would provide the necessary equipment and tools. The work was completed and the men did a tremendous job. When the job was finished, the men noted that the trucks were dirty so they were cleaned, too.

When word of this cleanup reached a group of fraternity men, they thought they had been deprived of a project and asked what they could do. They were told that there was a great deal of sodding work to be done by the new pedestrian walk across the Olentangy River. For three days these men worked on this project. They indicated that next spring they would like the responsibility of cleaning Mirror Lake.

Mr. Jones recommended that the Board of Trustees should offer these men a vote of commendation and express appreciation to them for portraying the "real image" of this University.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above recommendation was approved for inclusion in the minutes of the Board of Trustees.

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Thereupon the Board adjourned to meet Thursday, December 11, 1969, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman



## APPENDIX II

Revisions of Rule 35.07 of Rules for the University Faculty

as Approved by the Faculty Council  
October 14, 1969

Adopted by Board of Trustees November 13, 1969  
(See page 230)

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Revisions of Rule 35.07 of Rules for  
the University Faculty

The Faculty Council on October 14, 1969, approved the following revisions in Rule 35.07 of Rules for the University Faculty, effective Winter Quarter 1970:

- (1) That the first sentence of Rule 35.07 be amended so as to replace the mark S with the mark S/U, so that it reads:

The official marks of the University are as follows: A, B, C, D, E, H, I, P, R, S/U, T, X, PA/NP, EM, and K.

- (2) That the phrases and sentence as underscored below be added to the material under the mark P--Progress.

P--Progress. This mark may be used to indicate that the student has shown satisfactory progress in courses other than individual-studies courses that extend over more than one quarter. Until such time as a final mark is recorded, the credit hours in a P course shall not be counted for any purpose. When a final mark is recorded, all previous P hours shall assume the value of the final mark.

- (3) That the following paragraph be substituted for S--Satisfactory in the present version of Rule 35.07.

S/U--Satisfactory/Unsatisfactory

Section 1. The mark S may be used to record either satisfactory progress in or completion of work, provided that the course has been approved for this mark by the Dean of the College offering the course, and in the case of courses carrying graduate credit, by the Graduate Council. It shall be used as an alternative to U or I in individual-studies courses numbered 593, 693, 793, 993, 998, and 999, and on satisfactory completion by a graduate student of a literature review course or seminar designated by the Dean of the Graduate School as qualifying for the mark of S. S credit shall be counted as hours only and shall not be considered in determining a student's point-hour ratio under Rule 37.05.

Section 2. The mark U shall be used for unsatisfactory work in courses in which a student would be entitled to the mark of S if his work had been satisfactory. No credit shall be given for work marked U. This grade shall not be considered in determining a student's point-hour ratio under Rule 37.05.

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 11, 1969

The Board of Trustees met at its regular monthly meeting on Thursday, December 11, 1969, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Jack G. Gibbs and M. Merle Harrod.

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Minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Change the Name of the Department of Veterinary Parasitology to Department of Veterinary Microbiology and Parasitology

The Faculty Council on November 11, 1969, approved for transmittal to the Board of Trustees the proposal from the Council on Academic Affairs that the name of the Department of Veterinary Parasitology be changed to the Department of Veterinary Microbiology and Parasitology.

Dean Clarence Cole of the College of Veterinary Medicine reports that the new name would satisfy accrediting agencies, unite two fields of instruction and research that have common interests and expedite curricula revisions now under way in the College of Veterinary Medicine. Certain courses in Veterinary Microbiology have recently been transferred from the College of Biological Sciences and this change in title will more accurately signify the jurisdiction of the Department.

President Fawcett recommended that the Board of Trustees approve the proposed change in name of the Department of Veterinary Parasitology to the Department of Veterinary Microbiology and Parasitology, effective with the 1970-1971 academic year.

Upon motion of Mr. Safford, seconded by Mr. Hilliker, the Board of Trustees approved the above recommendation by unanimous voice vote.

B. Change the Name of the School of Physical Education to School of Health, Physical Education and Recreation

On November 11, 1969, the Faculty Council, with the endorsement of the Council on Academic Affairs, approved the request from the College of Education that the name of the School of Physical Education be changed to the School of Health, Physical Education and Recreation.

The present designation does not reflect the full scope of the existing instructional, research and professional programs carried on in the School. It becomes essential to use each separate title in the total name in order to give visibility to the various areas of responsibility. For purposes of curriculum development, recruitment of students and staff and visibility locally, statewide and national, the name of the School should be encompassing and descriptive. Colleges, schools and departments in institutions of higher education throughout the United States with similar programs and responsibilities have names involving the three major phases of their programs--health education, physical education and recreation.



December 11, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Change the Name of the School of Physical Education to School of Health, Physical Education and Recreation (continued)

President Fawcett recommended that the Board of Trustees approve the proposed change in name of the School of Physical Education to School of Health, Physical Education and Recreation, effective with the 1970-1971 academic year.

Upon motion of Mr. Harrod, seconded by Mr. Gibbs, the Board of Trustees approved the above recommendation by unanimous voice vote.

C. Naming of Building

Upon the recommendation of the College of Education, and with the concurrence of the President's Cabinet, President Fawcett recommended that the building located at 29 West Woodruff Avenue presently identified as University School be renamed "Ramseyer Hall" to honor the late John A. Ramseyer. Professor Ramseyer's professional career included distinguished service as a member of the faculty of University School which began in 1938 and as Director of the University School from 1948 until 1951. He subsequently achieved a distinguished career as Professor of Educational Administration and as Director of the School of Education from 1965 to 1968.

This recommendation is in accordance with the By-Laws of the Board of Trustees.

Upon motion of Mr. Gibbs, seconded by Mr. Safford, the Board of Trustees approved the foregoing recommendation by unanimous voice vote.

D. Degrees and Certificates Conferred--Autumn Quarter Commencement

President Fawcett recommended that degrees and certificates be conferred at the Autumn Quarter Commencement Convocation on December 19, 1969, to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix III, page 299.)

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous voice vote.

E. The Ohio State University Centennial Achievement Award

In celebration of the Centennial Year of The Ohio State University and upon the recommendation of the special University Committee on Centennial Achievement Awards, approximately one hundred persons have been selected

December 11, 1969 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. The Ohio State University Centennial Achievement Award (continued)

for the Centennial Achievement Award. As a tangible symbol of this recognition, President Fawcett recommended that these recipients be presented with a suitably prepared Centennial Medallion at an appropriate occasion during the Centennial Year. The names of the recipients will be announced during this coming year.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the Board of Trustees approved the above recommendation by unanimous voice vote.

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II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the November 13, 1969 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Promotions, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary and Emeritus Title:

A. Promotions

Orlo L. Musgrave from Acting Associate Director and Professor in the Ohio Cooperative Extension Service to Associate Director and Professor in the Ohio Cooperative Extension Service, effective January 1, 1970, at a salary of \$25,008.00 per annum. Dr. Musgrave will continue to hold a Professorship at No Salary in the Department of Agronomy.

George R. Gist, Jr., from Professor (Extension Agronomist), Ohio Cooperative Extension Service, to Assistant Director and Professor, Ohio Cooperative Extension Service, effective March 1, 1970, at a salary of \$21,768.00 per annum. Dr. Gist will continue to hold a Professorship at No Salary in the Department of Agronomy.

B. Appointments

Richard C. Snyder, Mershon Professor of Education and Public Policy, College of Education, effective July 1, 1970, at a salary of \$30,168.00 per annum. Professor Snyder will hold appointments in the Division of Public Administration and the Department of Political Science at No Salary. He will become Director of the Mershon Center for Education in National Security at No Salary.

James M. Beattie, Professor and Acting Chairman, Department of Horticulture and Forestry, effective January 1, 1970, at No Salary.

December 11, 1969 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Appointments (continued)

John J. O'Neill, Professor, Department of Pharmacology, effective November 1, 1969, at a salary of \$20,928.00 per annum.

Philip Adelbert Tripp, Professor, College of Education, effective December 1, 1969, at a salary of \$24,168.00 per annum.

Stephen W. Tsai, Visiting Professor (Battelle Professor of Metallurgy), Department of Metallurgical Engineering, effective January 1, 1970 through March 31, 1970, at a salary of \$8,331.00 for the period.

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named person was recommended for Leave of Absence With Salary from the Cooperative Extension Service for the period indicated:

Philip L. Grover, Instructor (County Extension Agent, Agriculture) Fayette County, effective January 1, 1970 through June 15, 1970, to participate in a program of professional improvement at The Ohio State University.

D. Leaves of Absence Without Salary

Jack E. Hathaway, Instructor, Veterinary Clinic, effective January 1, 1970 through June 30, 1970, to continue to work under a NIH grant to do graduate work.

Madeline L. Sunderman, Instructor, School of Nursing, effective November 1, 1969 through November 15, 1969, for personal reasons.

E. Emeritus Title

Carl R. Reese, College of Biological Sciences - Population and Environmental Biology, with the title Professor Emeritus, effective January 1, 1970.

Upon motion of Mr. Dunlap, seconded by Mr. Safford, the Promotions, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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December 11, 1969 meeting, Board of Trustees

### III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

#### A. The Ohio State University and The Ohio State University Research Foundation

##### SUMMARY October 25 - November 21, 1969

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	15	\$ 462,954.00
Industrial and Other Research	4	18,243.00
<u>Grants</u>		
Government Research - Federal	18	637,891.00
Industrial and Other Research	<u>5</u>	<u>15,600.00</u>
Totals	42	\$1,134,688.00

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Research Contracts - Federal

- a. U. S. Atomic Energy Commission, Argonne, Illinois, Kinetics of Ionizing-Radiation Induced Reactions in Organic Compounds (to be known as U. S. Atomic Energy Commission Project No. 1398-C - Mod. #8 - Department of Chemistry).  
Gross Value - \$36,960.00.
- b. U. S. Atomic Energy Commission, Argonne, Illinois, Cycling of Cl-36 Labeled DDT in Natural Systems (to be known as U. S. Atomic Energy Commission Project No. 1794-C - Mod. #6 - College of Biological Sciences - Population and Environmental Biology).  
Gross Value - \$16,582.00.
- c. Department of Health, Education and Welfare, U. S. Office of Education, Washington, D. C., The Development of an ERIC Information Analysis for Science Education (to be known as U. S. Office of Education Project No. 2228 - Renewal - College of Education).  
Gross Value - \$4,297.00.
- d. U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington, D. C., Early Diagnosis of Infectious Diseases (to be known as Office of the Surgeon General Project No. 2634 - Renewal - Department of Medicine).  
Gross Value - \$30,959.00.

December 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. National Aeronautics and Space Administration, Washington, D. C. ,  
Critical Analysis and Review of State-of-the-Art in Space Medicine  
(to be known as National Aeronautics and Space Administration  
Project No. 2655 - Amend. #2 - Department of Preventive Medicine).  
Gross Value - \$50,948.00.
- f. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, National Institute of Allergy and  
Infectious Diseases, Bethesda, Maryland, Production of 100 Liters  
of Horse Anti-Human Anti-Lymphocyte Serum (to be known as  
National Institutes of Health Project No. 2660 - Mod. #3 - Depart-  
ment of Surgery).  
Gross Value - \$10,645.00.
- g. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, Research Contracts Branch, Bethesda,  
Maryland, Identification, Isolation and Culture of Mites (to be known  
as National Institutes of Health Project No. 2740 - Mod. #2 - College  
of Biological Sciences - Entomology).  
Gross Value - \$17,000.00.
- h. U. S. Air Force, Air Force Systems Command, Aeronautical  
Systems Division, Wright-Patterson Air Force Base, Ohio, Research  
on Plasma Diagnostic Techniques and Generation (to be known as  
Air Force Systems Command, Aeronautical Systems Division Project  
No. 2936 - New - Department of Physics).  
Gross Value - \$29,452.00.
- i. U. S. Air Force, Air Force Systems Command, Aeronautical  
Systems Division, Wright-Patterson Air Force Base, Ohio,  
Theoretical and Experimental Investigation of Hypersonic Similitude  
for Slender Bodies in Nonequilibrium Flows (to be known as Air  
Force Systems Command, Aeronautical Systems Division Project  
No. 2946 - New - Department of Aeronautical and Astronautical  
Engineering).  
Gross Value - \$42,833.00.
- j. National Aeronautics and Space Administration, Washington, D. C. ,  
National Aeronautics and Space Administration Training and Career  
Progression Study (to be known as National Aeronautics and Space  
Administration Project No. 2947 - New - College of Administrative  
Science - Continuing Education).  
Gross Value - \$100,000.00.

December 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- k. Department of Health, Education and Welfare, Public Health Service, Dental Health Center, Division of Dental Health, San Francisco, California, A Multivariate Study of the Career Developments of Potential Health Professionals (to be known as Dental Health Center, Division of Dental Health Project No. 2951 - New - College of Medicine - Research and Services on Medical Education).  
Gross Value - \$2,000.00.
- l. Air Force Institute of Technology, U. S. Air Force, Wright-Patterson Air Force Base, Ohio, Academic Services for Air Force Institute of Technology (DWSMC) (to be known as Air Force Institute of Technology Project No. 2953 - New - College of Administrative Science - Continuing Education).  
Gross Value - \$28,000.00.
- m. Department of the Navy, Office of Naval Research, Washington, D. C., Infrared Spectra (to be known as Office of Naval Research Project No. 2957 - New - Department of Physics).  
Gross Value - \$10,960.00.
- n. Department of the Interior, Federal Water Pollution Control Administration, Washington, D. C., Pyritic Systems: A Mathematical Station (to be known as Federal Water Pollution Control Administration Project No. 2961 - New - Engineering Experiment Station).  
Gross Value - \$68,918.00.
- o. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Degradation Mechanisms of Pigmented Coatings (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2965 - New - Department of Ceramic Engineering).  
Gross Value - \$13,400.00.

TOTAL - Government Research Contracts - Federal \$462,954.00

2. Industrial and Other Contracts

- a. Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, Joining of Uranium and Refractory Materials for Nuclear Manufacturing (to be known as Union Carbide Corporation Project No. 2199-A - Amend. #9 - Department of Welding Engineering).  
Gross Value - \$5,210.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- b. Commission on Obscenity and Pornography, Washington, D. C.,  
Attitudes Toward Pornography in Sweden (to be known as Commission  
on Obscenity and Pornography Project No. 2948 - New - Department  
of Sociology).  
Gross Value - \$7,273.00.
- c. Kent State University, Kent, Ohio, Radiometric Determinations  
(to be known as Kent State University Project No. 2954 - New -  
Department of Geology).  
Gross Value - \$3,000.00.
- d. The Hynite Corporation, Oak Creek, Wisconsin, Histopathological  
Evaluation of Tissues from Broilers Fed Hydrolyzed Leather Meal  
(to be known as The Hynite Corporation Project No. 2960 - New -  
Department of Poultry Science).  
Gross Value - \$2,760.00.

TOTAL - Industrial and Other Contracts \$18,243.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, Health Service and Mental Health  
Administration, Bethesda, Maryland, Postoperative Recovery  
Mechanisms and Retention (to be known as National Institutes of  
Health Project No. 1470-G - Ext. #7 - Department of Psychology).  
Gross Value - \$14,696.00.
- b. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, National Heart Institute, Bethesda,  
Maryland, Phytochemistry of Genus Thalictrum (to be known as  
National Institutes of Health Project No. 1497-F - Sup. #2 - College  
of Pharmacy).  
Gross Value - \$2,807.00.
- c. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, National Cancer Institute, Bethesda,  
Maryland, Highly Strained Nitrogen Heterocyclics (to be known as  
National Institutes of Health Project No. 1640-F - Ext. #6 - Depart-  
ment of Chemistry).  
Gross Value - \$46,490.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Biophysical Mechanisms of Induced Cardiac Arrhythmias (to be known as National Institutes of Health Project No. 2085-D - Sup. #3 - Department of Pharmacology).  
Gross Value - \$3,408.00.
- e. National Aeronautics and Space Administration, Washington, D. C., Millimeter-Wavelengths Propagation Studies (to be known as National Aeronautics and Space Administration Project No. 2374 - Sup. #2 - Department of Electrical Engineering).  
Gross Value - \$55,000.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Center for Health Services Research and Development, Health Services and Mental Health Administration, Bethesda, Maryland, Primary Prevention of Coronary Heart Disease (to be known as National Center for Health Services Research and Development Project No. 2511-B - Ext. #2 - Department of Preventive Medicine).  
Gross Value - \$347,648.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, A Comparative Study of the Extrapyramidal System (to be known as National Institutes of Health Project No. 2512-B - Ext. #2 - Department of Anatomy).  
Gross Value - \$11,689.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Structural Investigations on Mucopolysaccharides (to be known as National Institutes of Health Project No. 2516-B - Sup. #2 - Department of Chemistry).  
Gross Value - \$1,857.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Intra-Hepatic Control of Liver Blood Flow (to be known as National Institutes of Health Project No. 2518-B - Sup. #1 - Department of Physiology).  
Gross Value - \$1,566.00.



III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Interactions of Adrenergic Blockers (to be known as National Institutes of Health Project No. 2523-B - Sup. #2 - College of Pharmacy).  
Gross Value - \$1,059.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Pathogenesis of Coronary Atherosclerosis (to be known as National Institutes of Health Project No. 2525-B - Sup. #2 - Department of Pathology).  
Gross Value - \$8,908.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Electrophysiological Studies of Visual Adaptation (to be known as National Institutes of Health Project No. 2711-A - Ext. #1 - Department of Ophthalmology).  
Gross Value - \$29,564.00.
- m. National Aeronautics and Space Administration, Washington, D. C., Fluid Dynamic Aspects of Cardiovascular Behavior During Vibration (to be known as National Aeronautics and Space Administration Project No. 2732 - Sup. #1 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$12,000.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Evaluation and Use of Frozen Stored Skin Grafts (to be known as National Institutes of Health Project No. 2750-A - Ext. #1 - Department of Surgery).  
Gross Value - \$15,864.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Middle Ear Mucosa Normal and Experimental (to be known as National Institutes of Health Project No. 2949 - New - Department of Otolaryngology).  
Gross Value - \$21,105.00.

December 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- p. National Science Foundation, Washington, D. C., Biosynthesis of the Aglycones of Thioglucosides (to be known as National Science Foundation Project No. 2955 - New - College of Biological Sciences - Biochemistry and Molecular Biology).  
Gross Value - \$32,000.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, The Role of the Red Nucleus in Motor Function (to be known as National Institutes of Health Project No. 2956 - New - Department of Anatomy).  
Gross Value - \$12,634.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Tonicology (to be known as National Institutes of Health Project No. 2962 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$19,596.00.

TOTAL - Government Research Grants - Federal \$637,891.00

4. Industrial and Other Research Grants

- a. American Association of Colleges of Pharmacy, Silver Spring, Maryland, A Multivariate Study of the Career Development of Potential Health Professionals (to be known as American Association of Colleges of Pharmacy Project No. 2950 - New - College of Medicine - Division of Research and Services on Medical Education).  
Gross Value - \$3,000.00.
- b. Construction Industry - Associated Building Contractors of Colorado, Inc., Denver, Colorado, and Fox Valley Construction Industry, Geneva, Illinois, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as Construction Industry - Associated Building Contractors of Colorado, Inc., Denver, Colorado, and Fox Valley Construction Industry, Geneva, Illinois, Project No. 2952 - New - College of Education).  
Gross Value - \$4,000.00.
- c. Construction Industry - Rhode Island Chapter, The Associated General Contractors of America, Providence, Rhode Island, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as Construction Industry - Rhode Island Chapter, The Associated General Contractors of America, Providence, Rhode Island, Project No. 2952 - Sup. #1 - College of Education).  
Gross Value - \$100.00.

December 11, 1969 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- d. Construction Industry - Associated General Contractors of America, Inc., Dayton, Ohio, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as Construction Industry - Associated General Contractors of America, Inc., Dayton, Ohio, Project No. 2952 - Sup. #2 - College of Education).  
Gross Value - \$1,000.00.
  
- e. American Heart Association, East Central Ohio Chapter, Inc., Canton, Ohio, Effects of Beta Adrenergic Blockade on Left Ventricular Performance in Patients with Angina Pectoris (to be known as American Heart Association, East Central Ohio Chapter, Inc., Project No. 2964 - New - Department of Medicine).  
Gross Value - \$7,500.00.

TOTAL - Industrial and Other Research Grants \$15,600.00

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Industrial Research Contracts	2	\$9,300.00

During the period from October 23, 1969 through November 20, 1969, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Industrial Research Contracts

- EES 353X    A Study of the  $\text{Li}_2\text{O}-\text{P}_2\text{O}_5-\text{Al}_2\text{O}_3$  System, Chase Brass  
Copper Company, Cleveland, Ohio.  
Gross Value - \$6,300.00.
  
- EES 327X    Design Study of Blowdown Rings, Aquatrol, Inc., Chicago,  
Ext. #1      Illinois.  
Gross Value - \$3,000.00.

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December 11, 1969 meeting, Board of Trustees

#### IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since November 13, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

##### SUMMARY

Administered Through the Office of Business and Finance	\$1,711,510.00
Received Through The Ohio State University Development Fund	1,131,876.68

#### A. Administered Through the Office of Business and Finance

1. \$810,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for support of "The Center for Research and Leadership Development in Vocational and Technical Education," under the direction of The Center for Vocational and Technical Education, for the period September 1, 1969 through May 31, 1970. (Grant No. OEG-3-7000158-2037, Revision No. 9)
2. \$361,560.00 granted by The Ford Foundation, New York, New York, to the University for the Department of Agricultural Engineering to assist the Punjab Agricultural University in Ludhiana, India, in the development of teaching and research in agricultural engineering, over a two-year period beginning August 1, 1969. (Grant No. 640-0417A)
3. \$324,951.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for support of "A Continuation of the Center for Research and Leadership Development in Vocational and Technical Education," under the direction of The Center for Vocational and Technical Education, for the period July 1, 1969 through August 31, 1969. (Grant No. OEG-3-7-000158-2037, Revision No. 7 and Revision No. 8)
4. \$214,999.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for support of the "ERIC Clearinghouse on Vocational and Technical Education," under the direction of The Center for Vocational and Technical Education, for the period September 1, 1969 through August 31, 1970. [Grant No. OEC-0-70-1214(010)]

TOTAL - Administered Through the Office of Business and Finance -  
\$1,711,510.00

December 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund

1. \$840,313.71 from the William H. Dickinson Trust for the establishment of the Dr. Lucius A. Wing Memorial Fund.

Dr. Lucius A. Wing Memorial Fund

The Dr. Lucius A. Wing Memorial Fund was established December 11, 1969, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University through the Trust of William H. Dickinson, late of Columbus, Ohio.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used by the College of Medicine in a manner which memorializes Dr. Lucius A. Wing.

Should the need for this income cease to exist or so diminish as to provide unused income, or should the College of Medicine cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical education.

2. \$129,000.00 from Mr. and Mrs. James E. Townsend for the establishment of The Townsend Scholarship Fund.

The Townsend Scholarship Fund

The Townsend Scholarship Fund was established December 11, 1969, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Patricia Gibson Townsend (Mrs. James E.), B.Sc.Soc. Adm. '48, and James E. Townsend, B.E.E. '48, Greenwich, Connecticut.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to provide one or more scholarships for undergraduate and/or graduate students who have demonstrated academic ability and need for financial assistance. The selection of the recipient is to be made upon the recommendation of the University Scholarship Committee. Preference is to be given to students enrolled in the physical and social sciences. The scholarship so granted to any student may be withdrawn, upon the recommendation of the Board of Trustees, if the student engages in any activities which disrupt the orderly administration of the University.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

2. The Townsend Scholarship Fund (continued)

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for scholarships.

3. \$20,000.00 from Alcoa Foundation, Pittsburgh, Pennsylvania, for the Alcoa Foundation Professorship in Chemical Engineering.
4. \$10,062.50 from G. D. Searle and Company, Chicago, Illinois, for the G. D. Searle and Company Research in Medicine Fund.
5. \$10,000.00 from SCOA Foundation, Inc., for the Center for Tomorrow Fund.
6. \$10,000.00 from Shell Companies Foundation, Inc., New York, New York--\$5,000.00 for the Shell Companies Foundation Fund for Chemical Engineering and \$5,000.00 for the Shell Companies Foundation Fellowship in Mechanical Engineering.
7. \$10,000.00 from Ford Motor Company (Cleveland Regional Office) for the Center for Tomorrow Fund.
8. \$7,750.00 from Ohio Lion's Eye Research Foundation, Jackson, Ohio, for the Lion's Club Eye Research in Optometry.
9. \$7,500.00 from Suburban Motor Freight, Inc., (In the name of James R. Riley), for the James R. Riley Professorship of Marketing and Logistics.
10. \$5,500.00 from American Oil Foundation, Chicago, Illinois, for the American Oil Foundation Fellowship Fund - Chemistry.
11. \$5,200.00 from Armco Foundation, Middletown, Ohio, for the Armco Fellowship in Metallurgical Engineering Fund.
12. \$5,000.00 from The Merck Company Foundation, Rahway, New Jersey, for The Merck Company Foundation Research Fund - Chemistry.
13. \$5,000.00 from Republic Steel Corporation, Cleveland, Ohio, for the Center for Tomorrow Fund.
14. \$5,000.00 from Standard Oil (Indiana) Foundation, Inc., Chicago, Illinois, for the Good Teaching Awards Program.

December 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

15. \$4,500.00 from Payne Fund, Inc., (In the name of Frances P. Bolton), for the Payne Fund Communications Project.
16. \$4,200.00 from Goodyear Tire and Rubber Company Fund for the Goodyear Aerospace Fellowship Fund in Aeronautical and Astronautical Engineering.
17. \$4,100.00 from North Central Breeders Research Council for the North Central Breeders Research Council Fund.
18. \$4,075.00 from Mrs. Mary T. Henne for the Albert L. Henne Memorial Fund.
19. \$4,000.00 from Miss Irene D. Hirsch for the Crime Delinquency Research Fund.
20. \$3,700.00 from Jones & Laughlin Steel Corporation, Pittsburgh, Pennsylvania, for the Jones & Laughlin Steel Corporation Fellowship Fund.
21. \$3,262.50 from the Morris Animal Foundation for the Mark L. Morris Animal Foundation in the College of Veterinary Medicine.
22. \$3,000.00 from The Kroger Company Charitable Trust for the Food Industry Professorship Fund.
23. \$3,000.00 from The National Scholarship Trust Fund of the Education Council of the Graphic Arts Industry, Inc., Pittsburgh, Pennsylvania, for the Western Publishing Company Fellowship Fund.
24. \$3,000.00 from Tektronix Foundation for the Tektronix Ceramic Fellowship Fund.
25. \$3,000.00 from the Trust under the Will of Emerson S. Zuck for the Emerson S. and Lucy Zuck Fund.
26. \$2,350.00 from the Trust under the Will of Anna Roessler for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
27. \$2,022.37 from Mr. Milton Staub for the Ophthalmologic Center Fund.
28. \$2,000.00 from The Lazarus Store Foundation, (In the name of Fred Lazarus, Jr.), for the Student Athlete Grant-in-Aid Fund.
29. \$2,000.00 from Mr. and Mrs. Fred A. Murphy for the Student Athlete Grant-in-Aid Fund.
30. \$1,740.60 from Antique Show Receipts, (In the name of Jay L. Failer), for the Presidents Club Special Fund.

December 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

31. \$1,500.00 from Ronald W. Thompson for the Ronald W. Thompson Fund for Engineering.
32. \$1,100.00 from Christian E. Burckel & Associates, (In the name of Christian E. Burckel), for the Ronald B. Thompson Special Fund.
33. \$1,000.00 from Agency Maintenance, (In the name of William Hoyer), for the Insurance Hall of Fame Seminar Room Fund.
34. \$1,000.00 from A. B. "Dolly" and Ralph Cohen Foundation, (In the name of Mrs. A. B. Cohen), for the Woody Hayes Fund.
35. \$1,000.00 from Forest City Obedience Training Club, Inc., Willoughby, Ohio, for the Fred Diebold Memorial Fund.
36. \$1,000.00 from Dr. William H. Havener for the Ophthalmology Teaching Fund.
37. \$1,000.00 from I. A. Associates, Inc., (In the name of William B. Campbell), for the X-Ray Diffraction Laboratory Fund.
38. \$1,000.00 from Mr. Walter H. Kidd for the Walter H. Kidd Engineering Discretionary Fund.
39. \$1,000.00 from Marathon Oil Foundation, Inc., Findlay, Ohio, for the Faculty of Finance - Marathon Oil Foundation, Inc.
40. \$1,000.00 from Dr. Julian B. Woelfel for the Dentistry Centennial Fund.
41. \$1,000.00 from Forest View Company, (In the name of Harold F. Zieg), for the Department of Athletics Discretionary Fund.

TOTAL - Received Through The Ohio State University Development Fund -  
\$1,131,876.68

C. Amendment to the Description for the Use of  
the Lynn F. Jennings Memorial Fund

Upon the request of the committee which represented the donors and which is to be consulted concerning the expenditures of the annual income from the Lynn F. Jennings Memorial Fund, President Fawcett recommended that the description of the fund as recorded in the January 12, 1959 minutes of the Board of Trustees be amended to read as follows:



December 11, 1969 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Amendment to Description for the Use of  
the Lynn F. Jennings Memorial Fund (continued)

Lynn F. Jennings Memorial Fund

The Lynn F. Jennings Memorial Fund was established December 4, 1958, by gifts through the Development Fund from family and friends of Lynn F. Jennings, in his memory.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for scholarship purposes, at the discretion of the Chairman of the Department of Dairy Technology.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, or should the Department of Dairy Technology cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in dairy technology.

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the acceptance of the foregoing grants and gifts, the establishment of the above-named funds and the amendment to the description for the Lynn F. Jennings Memorial Fund were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In October, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2, 696	\$ 201, 843. 39
Individuals other than alumni	396	15, 379. 38
Business concerns	21	42, 457. 60
Nonprofit organizations	34	1, 204, 866. 66
	<u>3, 147</u>	<u>\$1, 464, 547. 03</u>

Of these gifts, 1, 967 totaling \$20, 900. 95 were undesignated and 1, 180 totaling \$1, 443, 646. 08 were designated.

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December 11, 1969 meeting, Board of Trustees

V. EXTRAS AND CREDITS TO CONTRACTS

On July 13, 1967, the Board of Trustees authorized the Vice President for Business and Finance to approve change orders which were necessary to expedite completion of construction projects. In accordance with this authorization, all extra and credit orders to contracts which have been completed were reported:

A. McPherson Chemical Laboratory - Library Renovation

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$43,339.00	\$43,539.00	\$200.00

Funds for this project were provided by a transfer from Budget Account 149993 (Plant Funds Reserve) to Budget Account 801177 (McPherson Lab Remodeling).

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the above extra and credit orders to contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

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VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. University Hospital - Ventilation System Improvements  
to 2nd Floor and 3rd Floor East

This project will provide individually controlled "through the wall" air conditioning-ventilating units at windows where feasible for the project area.

Funds for this project have been provided by a transfer from Hospital Rotary to Budget Account 801216 Hospital Air Conditioning.

B. Parking Ramp - Medical Area

This project will be located in the Medical Center area and will have five complete parking floors accommodating 1,021 cars plus a helicopter landing deck.

Funds for the portion of the project which is for parking have been provided in Budget Account 801031 (Parking Ramp - Medical Area) and for that portion of the project which is the helicopter landing deck from the University Hospital Rotary.

December 11, 1969 meeting, Board of Trustees

VI. PLANS AND SPECIFICATIONS (continued)

C. Telephone Duct System Expansion

This project provides University-owned underground telephone ducts and manholes to connect the present campus telephone system to the new Ohio Bell Telephone Company Exchange. This will save operating funds on a continuing basis because of lower phone rates which will prevail. Additionally, the University gains the space in the new Service Building currently occupied by the present Telephone Exchange.

Funds for this project have been transferred from Item 235-015 (Board of Regents - Utilities and Renovations) to Item 315-074 Utilities and Renovations, H. B. 531.

D. Sisson Hall - Air Conditioning of Animal Holding Area

This project will provide ventilation, humidification and temperature control to Rooms 333, 335, 231, 233 and 233B the animal holding areas of Sisson Hall.

Funds for this project have been provided from Budget Account 129290 Veterinary Medicine Improvements.

E. University Hospital - Installation of Chilled Water System for Nurse Stations and Food Service Areas, 6th Through 11th Floors

This project will provide individually controlled fan coil units for air conditioning (and heating where rooms have outside walls) in nursing stations and food service areas.

Funds for this project have been provided by a transfer from Hospital Rotary to Budget Account 801216 (Hospital Air Conditioning).

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

December 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS

A. Health Sciences Library

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received 11-19-69)		
Robert W. Setterlin & Sons Company		
(Columbus, Ohio)		
Base bid	\$2,081,000.00	\$1,856,960.00
Alt. G-1 Vinyl fabric interior of exterior walls	18,500.00	41,850.00
Total Contract	<u>\$2,099,500.00*</u>	<u>\$1,898,810.00</u>
<u>Plumbing Contract</u>		
(8 bids received 11-19-69)		
O'Brien Company (Worthington, Ohio)		
Base bid	<u>\$ 127,000.00*</u>	<u>\$ 112,910.00</u>
<u>Heating, Ventilating and Air Conditioning Contract</u>		
(8 bids received 11-19-69)		
Limbach Company (Columbus, Ohio)		
Base bid	\$ 694,850.00	\$ 727,000.00
Alt. H-3 Substitution for housing	(6,000.00)	N/C
Total Contract	<u>\$ 688,850.00</u>	<u>\$ 727,000.00</u>
<u>Electrical Contract</u>		
(6 bids received 11-19-69)		
McCarty Brothers Electric Co. (Columbus, Ohio)		
Base bid	<u>\$ 375,900.00</u>	<u>\$ 443,130.00</u>
<u>Book Storage and Retrieval System</u>		
(2 bids received, 1 nonresponsive.		
7 "No bids" received. November 28 - December 10, 1969)		
Sperry-Rand Corporation (Herkimer, New York)		
	<u>\$ 811,799.00**</u>	<u>\$ 782,744.00</u>
<u>Total All Contracts</u>	<u>\$4,103,049.00</u>	<u>\$3,964,594.00</u>

Funds have been provided for this project from H. B. 202, H. B. 886, H. B. 531 and H. B. 828.

\*All bids on the General and Plumbing Contracts were over the estimate of cost but it is not believed that better bids could be obtained by re-advertising and therefore award of these contracts to the low bidder was recommended subject to the approval of the State Controlling Board.

\*\*After careful examination it was determined that no better bids would be received by readvertising.

December 11, 1969 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

B. River Union and Drama Facilities

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(4 bids received 12-9-69)		
Knowlton Construction Company		
(Bellefontaine, Ohio)		
Base bid	\$2,810,000.00	\$2,817,500.00
Alt. G-14 Grid deck over experi-		
mental theater	8,700.00	10,000.00
Total Contract	<u>\$2,818,700.00</u>	<u>\$2,827,500.00</u>
<u>Plumbing Contract</u>		
(2 bids received 6-13-69)		
Sauer, Inc. (Columbus)		
Base bid	\$ 213,370.00	\$ 168,451.00
Alt. P-2 Additional sprinkler system	4,000.00	7,000.00
Total Contract	<u>\$ 217,370.00*</u>	<u>\$ 175,451.00</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(4 bids received 6-13-69)		
Julian Speer Company (Columbus)		
Base bid	<u>\$ 490,500.00</u>	<u>\$ 497,822.00</u>
<u>Electrical Contract</u>		
(3 bids received 6-13-69)		
Mid-City Electric Company		
(Columbus)		
Base bid	<u>\$ 397,800.00*</u>	<u>\$ 361,152.00</u>
<u>Kitchen Equipment Contract</u>		
(2 bids received 6-13-69)		
Foremost-McKesson (Cleveland)		
Base bid	<u>\$ 41,917.00</u>	<u>\$ 46,140.00</u>
<u>Total All Contracts</u>	<u>\$3,966,287.00</u>	<u>\$3,908,065.00</u>

Funds have been provided for this project from H. B. 202, H. B. 886, H. B. 828, Office of Education (Federal Grant - Title I), Federal Recoveries and funds transferred from the General Reserve Fund to B/A 801083 (River Union and Drama Facilities).

\*All bids on the Plumbing and Electrical Contracts were over the estimate of cost but it is not believed that better bids could be obtained by readvertising and therefore award of these contracts to the low bidder was recommended subject to the approval of the State Controlling Board.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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December 11, 1969 meeting, Board of Trustees

VIII. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplished the following purpose:

The Ohio State University

- 1 Approves the purchase of property located on the Marysville-Milford Center Road (State Routes 4 and 36) and known as the Andreas Farm to be used for a complete and operational facility for a veterinary medicine practice at a price of \$135,000.00, funds to be provided from the Veterinary Clinic Rotary.
- 7 Approves the award of the Electrical Contract to the low bidder for the project "Comparative Medical Teaching and Research Facility" notwithstanding the fact that it was above the estimate of cost and releases \$3,404,945.00 from Item 315-028, H. B. 828, to provide for the construction.
- 9 Approves the release of \$930,720.00 from Item 315-068, H. B. 531, for the acquisition of lands conterminous with property owned by the University at Don Scott Field.

The Ohio Board of Regents

- 10 Approves the transfer of \$240,000.00 from Item 235-010 Architectural Planning, H. B. 531, to Item 315-064 Journalism Building Replacement (\$120,000.00) and Item 315-072 Dental Building, Phase II, (\$120,000.00), H. B. 531, and releases these amounts for architectural planning.
- 13 Approves the transfer of \$2,000,000.00 from Item 235-105 Utilities and Renovation, H. B. 531, to Item 315-074 Utilities and Renovation, H. B. 531, and releases \$160,000.00 for architectural planning.

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Journalism Building Expansion - Employment of Architects

President Fawcett recommended that the firm of Croce and Abbot be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost and necessary bidding documents.

The award of contracts and complete supervision of construction are not included at this time, but it is understood that these additional services may be added in accordance with the standard fee schedule when funding is complete.

December 11, 1969 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Journalism Building Expansion - Employment of Architects (continued)

The fee is to be negotiated based upon the Architects Society of Ohio of the American Institute of Architects recommended minimum cost of service as modified by the Department of Public Works. Funds have been provided from Item 315-064 (Journalism Building Replacement), H. B. 531, and Item 235-010 (Board of Regents - Architectural Planning), H. B. 531.

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the above recommendation was approved by unanimous roll call vote.

B. Campus Loop Road - Employment of Engineers

A section of the Campus Loop Road extending to Stadium Drive on the north and to the vicinity of Coffey Road on the south parallels the new alignment of the Olentangy River Expressway. Because it is contiguous to and part of the general engineering of the Expressway, it was generally agreed by the Department of Highways and The Ohio State University that the engineers for the Expressway, E. S. Preston and Associates, Ltd., be appointed as the engineers for the Campus Loop Road, the intersections pertaining thereto and the attendant changes required in the alignment of Stadium Drive between Fyffe Road and Kenny Road including such structures as are required under the railroad.

President Fawcett recommended therefore that E. S. Preston and Associates, Ltd., be appointed for this work on a cost plus fixed fee basis with the total charge not to exceed \$60,000.00. Funds have been provided in Budget Account 801219. This account will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way.

Upon motion of Mr. Safford, seconded by Mr. Dunlap, the above recommendation was approved by unanimous roll call vote.

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X. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Carl R. Blue, Instructor, Cooperative Extension Service, College of Agriculture and Home Economics; Cecil Ernest Boord, Professor Emeritus, Department of Chemistry; Ray A. Linville, Associate Professor (Extension Agronomist), Cooperative Extension Service, College of Agriculture and Home Economics; William H. Palmer, Professor Emeritus, Cooperative Extension Service, College of Agriculture and Home Economics; Johannes Friedrich Schwar, Professor of Civil Engineering and Director of the Transportation Research Center; Harold E. Shoemaker, Associate Professor (Extension Agronomist), Cooperative Extension Service, and Associate Professor, Department of Agronomy, College of Agriculture and Home Economics; and J. Robert Tompkin, Professor, Department of Agricultural Economics and Rural Sociology. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

December 11, 1969 meeting, Board of Trustees

X. RESOLUTIONS IN MEMORIAM (continued)

A. Carl R. Blue

The Board of Trustees expresses its sorrow at the death on November 5, 1969, of Carl R. Blue, Instructor, Cooperative Extension Service, College of Agriculture and Home Economics.

Mr. Blue was born December 29, 1933, on his father's farm near Mt. Vernon, Ohio. He received his Bachelor of Science degree in Agriculture from The Ohio State University in 1955 and his Master of Science degree in Agricultural Economics in 1964.

Mr. Blue served in the United States Army from 1955 to 1957. He was appointed to the County Staff of the Ohio Cooperative Extension Service, College of Agriculture and Home Economics, as Instructor and Associate County Extension Agent in Trumbull County in November 1957. He transferred to Portage County in 1963 as County Agricultural Agent. He joined the Area Extension Staff of the Cooperative Extension Service as an Area Extension Agent, Farm Management, in January 1965. In his capacity as Area Agent in Farm Management, Mr. Blue was responsible for the farm management program in ten counties served by the Washington Court House Center.

Mr. Blue was a member of the Epsilon Sigma Phi - Alpha Eta Chapter, and participated in many In-Service Training Conferences. In Washington Court House he was President of the Union P. T. O., President of the Kiwanis Club, member of the Church Board of Grace Methodist Church and Sunday School teacher for an adult class.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Cecil Ernest Boord

The Board of Trustees expresses its sorrow at the death on November 3, 1969, of Cecil Ernest Boord, Professor Emeritus of Chemistry.

Professor Boord was born in Veedersburg, Indiana, on June 29, 1884. He obtained his undergraduate education at Wabash College in Indiana, graduating with an A. B. degree in 1907. He entered graduate school on a Fellowship at The Ohio State University in 1907. Here he studied chemistry with the late Professor William McPherson and earned the A. M. degree in 1909 and the Ph. D. degree in 1912. He remained at Ohio State as an Instructor, was advanced to the rank of Assistant Professor in 1914 and Professor in 1924. In 1951 he was promoted to the highest faculty rank at that time, namely Research Professor. He held this position until his retirement as Professor Emeritus in 1954.



X. RESOLUTIONS IN MEMORIAM (continued)

B. Cecil Ernest Boord (continued)

During his career at Ohio State, Professor Boord became known internationally for his research in hydrocarbon chemistry. This work started during World War I when the need for higher quality motor fuels for automotive and aviation vehicles became critical. Professor Boord and his students began study of methods of synthesis of pure hydrocarbons, particularly of olefins, then relatively inaccessible and poorly known. Much of his work--the basis for numerous masters' theses and doctoral dissertations--dealt with the development of the bromo-ether synthesis, perhaps best known of Professor Boord's discoveries.

By 1938, Professor Boord had organized and become director of the now famous hydrocarbon research project on the campus, under the auspices of the American Petroleum Institute. His scientific contributions through this project included methods of synthesis and analysis of the hydrocarbons which make up petroleum and petroleum products. Through the synthesis of practical amounts of many pure compounds, he also opened up avenues of research for other chemists in related fields.

In scientific and industrial circles, Professor Boord earned the titles of "dean of hydrocarbon chemistry" and "designer and builder of gasolines" through his long years of pioneering research in the synthesis and testing of the hydrocarbon components of gasoline. Both designations emphasize the fundamental as well as the practical significance of his contributions. The work of Boord and his students was quickly recognized by the petroleum industry and speeded the development of processes for production of aviation gasoline, the "high octane" which gave allied fliers a winning edge in the battles of North Africa and of Britain in World War II. In 1951 the leaders of the petroleum industry invited Professor Boord to present the results of his hydrocarbon research at the 3rd World Petroleum Congress held at The Hague, Netherlands.

In 1955 the University presented to Professor Emeritus Boord the Joseph Sullivant Medal, one of the highest honors the University can bestow, in recognition of "notable achievement" in the arts and sciences by an alumnus or a faculty member.

A distinguished teacher as well as a research scientist, Dr. Boord gave counsel and direction to 81 candidates for the doctoral degree and 104 for the master's degree during his years on campus. Thousands of other former students remember him as a lucid lecturer, a deep thinker, a patient and understanding counselor.

During his lifetime he wrote numerous scientific papers for publication in journals, magazines and collective volumes. He co-authored a laboratory manual in organic chemistry that achieved wide use. He helped invent and develop the teaching aid known as "Molecular Models," the first and still the best known of its kind.

X. RESOLUTIONS IN MEMORIAM (continued)

B. Cecil Ernest Boord (continued)

He was a member of Sigma Xi, Phi Beta Kappa, Phi Lambda Upsilon, American Association for the Advancement of Science, American Chemical Society, American Petroleum Institute, The Ohio Academy of Science, The New York Academy of Science (Fellow), The O.S.U. Faculty Club, Torch Club and Indianola Presbyterian Church.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

C. Ray A. Linville

The Board of Trustees of The Ohio State University expresses its sorrow at the death on November 13, 1969, of Ray A. Linville, Associate Professor (Extension Agronomist), Cooperative Extension Service, College of Agriculture and Home Economics.

Mr. Linville was born June 16, 1921, in Urbana, Ohio. He was graduated from Salem High School in 1939. He attended The Ohio State University receiving the Bachelor of Science degree in 1949 and the Master of Science degree in 1950. He served as Laboratory Assistant in the Chemistry Department as an undergraduate, and as Assistant Agronomist (Soil Testing) after receiving his bachelor's degree. Mr. Linville was author of several publications on soil testing, soil and plant analysis and helped design and implement the first complete digital readout system in a soil testing laboratory. He served on the faculty since 1951 in the agronomy extension service.

During his busy career in soil testing and analysis, he found time to serve on numerous committees in the American Society of Agronomy, Soil Science Society of America and the Aircraft Owners and Pilot Association. He was a member of Epsilon Sigma Phi, Sigma Xi and Gamma Sigma Delta.

Those who knew Mr. Linville admired his dedication to his work and his integrity and the articulate manner in which he supervised the rapidly expanding soil testing program.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Linville its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University have sustained.

X. RESOLUTIONS IN MEMORIAM (continued)

D. William H. Palmer

The Board of Trustees of The Ohio State University expresses its sorrow at the death on November 15, 1969, of William H. Palmer, Professor Emeritus, Cooperative Extension Service, College of Agriculture and Home Economics.

Mr. Palmer was born in Fairfield County on July 9, 1882. He received his Bachelor of Science degree from The Ohio State University in 1905 and his Master's degree in animal husbandry in 1907. After operating his home farm, he returned to Ohio State as an animal husbandry specialist in 1912. He became the first State 4-H Leader in 1916 and served in that capacity until his retirement from the Cooperative Extension Service in 1952.

During his thirty-five years as State 4-H Leader the boys and girls club program developed into an active 4-H program in each of Ohio's eighty-eight counties. The Ohio 4-H Club Congress, Ohio 4-H Foundation and the State 4-H Advisory Committee all were developed during his active years of service. Camp Palmer, 4-H camp in Fulton County, was named in his honor in 1948. He received national recognition for his achievements through the National 4-H Center. The Ohio Room in the National 4-H Center was dedicated in his honor, with his portrait prominently displayed at this National 4-H Center.

Mr. Palmer had a strong belief in the use of voluntary 4-H advisors. He thoroughly believed that active, voluntary 4-H advisors, trained by the Extension Service staff, would make a strong youth program in Ohio, and time has proved him right.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Palmer its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University have sustained.

E. Johannes Friedrich Schwar

The Board of Trustees expresses its sorrow at the death on November 9, 1969, of Johannes Friedrich Schwar, Professor of Civil Engineering and Director of the Transportation Research Center.

Dr. Johannes Schwar was born in Dorfilm in the province of Thuringia, Germany, on April 14, 1925. His family moved to South Africa in 1928 and it was there that he received his early education, culminating in a bachelor's degree in engineering from the University of Stellenbosch in 1949.

Subsequently, employed by the South African Department of Transport as a road engineer, he attended Yale University under an International Road Federation Fellowship in 1952-53, receiving an award as the outstanding IRF Scholar of that year. Upon his return to South Africa he served with the Department of Transport as a traffic engineer until 1958 when he came

X. RESOLUTIONS IN MEMORIAM (continued)

E. Johannes Friedrich Schwar (continued)

again to the United States as a graduate student at Northwestern University. From that school he received a master's degree in 1959 and a doctorate in 1961.

Dr. Schwar was appointed Assistant Professor of Civil Engineering at The Ohio State University, September, 1961, promoted to Associate Professor in 1964 and to full Professor in 1966. In 1962 he became Director of the Transportation Research Center and shortly thereafter became actively engaged in promoting the creation of a very large transportation research center which would permit extensive full scale testing of both transportation hardware and of novel ideas in the field of transportation. His enthusiasm for this development was infectious and eventually the concept received the support of highway administration officials in Ohio and the Governor of Ohio. With the appropriation of state funds, acquisition of a large tract of land has been accomplished and planning of the facility is being carried out actively. Fate was indeed unkind to have denied him the ultimate satisfaction of seeing his dream translated into tangible test facilities of a scope unequaled elsewhere in the world.

Johannes Schwar contributed extensively to the research and educational literature in the field of transportation and traffic and was held in high esteem by the many graduate students whom he advised. However, it was his engaging personality and genial nature that endeared him to his many friends and also enabled him to distinguish himself in diplomatic liaison between the University research personnel and various sponsors of research efforts. To this task he brought an unusual combination of technical competence, good judgment, equanimity and tact.

Dr. Schwar was a member of several professional societies, including the American Society of Civil Engineers, American Road Builders Association, Institute of Traffic Engineers and served on national and state technical committees dealing with traffic and traffic safety. He had served as Chairman of Committee TO-7 "Quality of Traffic Service" of the Highway Research Board since 1967. Yet his greatest satisfactions seemed to come from teaching and he often observed that teaching was what he most wished to do. The University has lost an energetic, progressive scholar; society an aware and concerned citizen; and his profession a competent and creative practitioner.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

F. Harold E. Shoemaker

The Board of Trustees of The Ohio State University expresses its sorrow at the death on November 13, 1969, of Harold E. Shoemaker, Associate Professor (Extension Agronomist), Cooperative Extension Service, and Associate Professor in the Department of Agronomy, College of Agriculture and Home Economics.

X. RESOLUTIONS IN MEMORIAM (continued)

F. Harold E. Shoemaker (continued)

Dr. Shoemaker was born January 25, 1924, in Phoenix, Arizona. He was graduated from the Phoenix Union High School in 1941 and served in the Air Force from 1943 to 1946. In 1950 he received his Bachelor of Science degree from Arizona State University. He came to Ohio as a Research Fellow in 1951 to continue graduate work in agronomy, receiving his Master of Science degree in 1952 and his Ph.D. degree in 1959. Prior to his employment as Extension Agronomist in 1953 he was with the Ohio Agricultural Research and Development Center at Wooster. He assumed leadership in the soil fertility and lime aspects of the total Extension Agronomy program in Ohio. In addition, he taught a soil management course in the Department of Agronomy. He was author of several soil fertility bulletins and articles in scientific journals, trade journals and popular publications.

During his busy career in soil fertility education, he found time to develop effective visual aids to carry out programs in all areas of the state. He served on numerous committees in the American Society of Agronomy, the Soil Science Society of America, the International Society of Soil Science and was Secretary of the Ohio Soil Fertility Education Society. Dr. Shoemaker was a member of Epsilon Sigma Phi, Gamma Sigma Delta and the Ohio Extension Professors Association.

Those who knew Dr. Shoemaker admired him for his dedication to his work, his enthusiasm in teaching and for the sincere efforts exhibited to make his teaching more effective. He was an active and loyal team member in every group in which he participated.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Shoemaker its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University have sustained.

G. J. Robert Tompkin

The Board of Trustees expresses its sorrow at the death on November 19, 1969, of J. Robert Tompkin, Professor of Agricultural Economics and Rural Sociology.

Professor Tompkin was born in Fargo, North Dakota, August 5, 1916. He received his Bachelor of Science degree in Agricultural Economics from Iowa State University in March 1943. Following graduation he spent one year as a supervising statistician for the United States Department of Agriculture, Agricultural Marketing Service, in Des Moines, Iowa, and two years as chief statistician for Lapant-Choate Manufacturing Company of Cedar Rapids, Iowa. He served as a Lieutenant (j.g.) for the U. S. Navy in the Pacific Theatre from 1944 to 1946. Upon his return, he entered the graduate school at the University of Illinois and received his Master of Science degree in 1947. His doctorate degree was earned at Iowa State University in the field of Agricultural Economics and was completed in 1950.

X. RESOLUTIONS IN MEMORIAM (continued)

G. J. Robert Tompkin (continued)

In September 1950 he was appointed Assistant Professor of Agricultural Economics at the University of Wyoming. He accepted the responsibility of directing the department's graduate program and introduced several new graduate courses during the five years he spent at Laramie. He carried on important research activities throughout the state and counted most of the large ranchers as close friends. He accepted an appointment with the Economic Research Service of the United States Department of Agriculture and was assigned to work in cooperation with The Ohio State University in January 1956. He soon was asked to teach graduate courses, chair important committees and counsel graduate students. He became a very active participant in research projects of the Ohio Agricultural Research and Development Center and The Ohio State University Research Foundation. He spent two years in Brazil where he served as a special consultant to the Secretary of Agriculture of the State of Sao Paulo. He also taught courses and conducted seminars in their native language, Portuguese.

Dr. Tompkin always maintained a vital interest in research methodology. He constantly challenged the graduate students that he advised to use the best and seek out new techniques of carrying out research. He helped develop new applications of linear programming to farm management decision making. He was intensely interested in helping farmers caught in the cost-price squeeze make sound adjustments in their farming plans.

Professor Tompkin was author or co-author of over 100 publications in the field of farm management, taxation, appraisal, policy, tenure, farm organization, farm adjustment, farm income, statistics and credit. He was a member of the American Agricultural Economics Association, the Ohio Society of Farm Managers and Rural Appraisers, Gamma Sigma Delta and Phi Kappa Phi.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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XI. REPORT

A. Report on the University's Investment Portfolio

The report dated December 10, 1969, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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December 11, 1969 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, February 12, 1969, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

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APPENDIX III

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

December 19, 1969

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## The Recipient of the Honorary Degree

EDWARD A. HOBART

Doctor of Science

*Engineer of unusual capabilities, scientist, inventor, industrial organizer, civic leader, and one of the great pioneers of the welding industry*

Edward A. Hobart, President and Chairman of the Board of the Hobart Brothers Company of Troy, Ohio, has made the Hobart name synonymous with industrial progress. The pioneering work he did as a young man resulted in 34 significant patents and formed a basis for products and product development for the new company which he founded with his brother.

In World War II, he served his country in the development of portable welding equipment, power units for anti-aircraft gun implacements, radar power units as well as power units for the Early Warning Radar line. As the aviation industry grew, mobile ground power equipment was needed, first for internal engines and then for jet engines. Mr. Hobart's leadership and his work insured that such equipment was developed.

The welding field captured Mr. Hobart's principle interest, and with his associates, he devoted his attention to the task of advancing this new field. Soon he realized that if the industry were to grow it would require not only equipment to obtain the welding arc but also new kinds of electrodes. The Korean War, however, caused a shortage of rutile, a basic component of electrode manufacturing. Mr. Hobart's response was to develop a process for the separation of rutile from Florida sands, work for which he was awarded three patents and from which evolved a new mining venture which he helped to organize. Today, because of his efforts, the United States is independent of overseas sources of rutile, a material useful in many industries.

A shortage of welding operators prompted him to begin a trade school which later grew into a modern technical institute. As the Hobart organization expanded, he designed and constructed its facilities. The influx of many new people to local industry created a shortage of suitable housing and recreational facilities in the small town of Troy. Mr. Hobart personally developed several subdivisions which provided more than one thousand homes in pleasant surroundings and assisted in the development of public parks, a stadium, and other recreational facilities valued at more than one million dollars.

Edward A. Hobart has been quick to identify the challenges facing our country and has responded creatively to meet the problems of change with effective solutions. The Ohio State University is privileged to honor this distinguished alumnus for his many contributions to his fellow man.

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## Graduate School

Dean: Richard Armitage, Ph.D.

### Doctor of Philosophy

One hundred and fifty-six candidates

Barbara MacPhail Abma, Springfield  
B.A., M.A. (Michigan State University)  
*Dissertation:* Changes in Construction of Parent and Child Figures following Enactment; Playing a Role  
*Field of Specialization:* Psychology

Melvin Albaum, New York, N. Y.  
A.B. (Hunter College); M.S. (University of Wisconsin)  
*Dissertation:* An Analysis of Human Fertility Behavior in Spatial Sub-Systems of Turkey  
*Field of Specialization:* Geography

Omer Cevat Alkan, Tekirdag, Turkey  
B.S. (Teachers College, Turkey); M.S. (Stout State University)  
*Dissertation:* A Proposed Cooperative Vocational Education Program for Trade and Industrial Occupations in Turkey  
*Field of Specialization:* Education

Harry Ellis Allen, Jacksonville, Fla.  
B.A. (Stetson University); M.A. (Vanderbilt University)  
*Dissertation:* Bio-Social Correlates of Two Types of Anti-Social Sociopaths  
*Field of Specialization:* Sociology

Wajiraransi Saddhani Alles, Govnoruvu, Ceylon  
B.Sc. (University of Ceylon); M.S. (University of Michigan)  
*Dissertation:* Plant Factors Affecting Beta Gauging of Leaf Water Status  
*Field of Specialization:* Agronomy

Richard Aston, Wilkes-Barre, Pa.  
B.S., M.S. (Pennsylvania State University)  
*Dissertation:* An Investigation of Pattern Communality in the Instrumentation of Tactile Displays of Vowel Spectra  
*Field of Specialization:* Electrical Engineering

Harry Jack Ausmus, Cheshire, Conn.  
B.A. (East Tennessee State University); B.D. (Drew University); M.A. (East Tennessee State University)  
*Dissertation:* Christoph of Württemberg's Attempts to Unify Protestantism: 1553-1568  
*Field of Specialization:* History

William Lewis Baker, Columbus  
B.S., M.S.  
*Dissertation:* The Investigation of States in  $^{17}O$  between 8.6 and 10.1 MeV via Neutron Polarization Measurements for the  $^{13}C_{n,n}^{16}O$  Reaction  
*Field of Specialization:* Physics

Abdul Kabir Abdul Bashir, Wah Cantt, West Pakistan  
B.Sc., M.Sc. (University of Panjab)  
*Dissertation:* Ion Cyclotron Heating of a Hydrogen Plasma by Two-Phase Excitation  
*Field of Specialization:* Physics

Robert James Baum, Springfield, Ill.  
B.A. (Northwestern University)  
*Dissertation:* George Berkeley's Philosophy of Mathematics  
*Field of Specialization:* Philosophy

Charles William Beegle, Columbus  
B.S. in Edu., M.A.  
*Dissertation:* A Theoretical Construct for Selection of Content in Supervision of Instruction Training  
*Field of Specialization:* Education

Abdel-Hamid Ben-Tchikou, Algiers, Algeria  
B.S., M.S. (University of Southern California)  
*Dissertation:* On the Karhunen-Loeve Expansion  
*Field of Specialization:* Electrical Engineering

William Frederick Bentz, Covington  
A.B. (University of Cincinnati); M.Acc.  
*Dissertation:* The Measurement of Common Stock Price Relative Uncertainty: An Empirical Study  
*Field of Specialization:* Accounting

Kashi Ramamurthi Bilwakesh, Madras, India  
B.Sc. (Banaras Hindu University)  
*Dissertation:* Thermal Decomposition of Hydrogen Peroxide Vapor at Elevated Temperatures behind Incident and Reflected Shock Waves  
*Field of Specialization:* Aeronautical and Astronautical Engineering

Karen Stein Block, Southington  
B.S.Ed. (Kent State University); M.A.  
*Dissertation:* Hypothesis Sampling and Dimension Selection Models of Concept Identification for Problems with Ternary Dimensions  
*Field of Specialization:* Psychology

Norman Lee Boling, Akron  
B.S. (University of Akron)  
*Dissertation:* Investigation of a Low-Power MPD Arc  
*Field of Specialization:* Physics

Charles William Bousliman, Boise, Idaho  
A.B. (Carroll College); M.A.  
*Dissertation:* The Mabel Tainter Memorial Theatre: A Pictorial Case Study of a Late Nineteenth-Century American Playhouse  
*Field of Specialization:* Theatre

Hugh Eisenhart Boyer, Brooklyn, N. Y.  
A.B. (Columbia University); M.A.  
*Dissertation:* The Growth of the Fear of France in the Reign of Charles II  
*Field of Specialization:* History

Chandra Sekhar Brahma, Calcutta, India  
B.E. (Calcutta University); M.S. (Michigan State University)  
*Dissertation:* Analysis of Granular Soil Deformation as a Stochastic Process  
*Field of Specialization:* Civil Engineering

Andrew Henry Breiner, Cincinnati  
B.S. in Edu., M.A.  
*Dissertation:* A Comparison of High School and College Athletes on Selected Physiologic and Anthropometric Variables  
*Field of Specialization:* Physical Education

David Evan Brown, Potsdam, N. Y.  
B.A.  
*Dissertation:* The Political and Social Thought of Lewis Corey  
*Field of Specialization:* Political Science

\*Nickson Randolph Brubaker, Columbus

B.A., M.S. (Miami University)

*Dissertation:* The Velocity of Second Sound and the Inertial Mass of He<sup>3</sup> in He<sup>3</sup>-He<sup>4</sup> Mixtures

*Field of Specialization:* Physics

Robert Allen Buckwald, Minneapolis, Minn.

B.Phys. (University of Minnesota)

*Dissertation:* Dense Plasma Focus Formation by Disk Symmetry

*Field of Specialization:* Physics

Evan Burr Bukey, Cincinnati

B.A. (Ohio Wesleyan University); M.A.

*Dissertation:* The Guelph Movement in Imperial Germany, 1866-1918

*Field of Specialization:* History

Fred Ray Butcher, Georgetown

B.S.

*Dissertation:* Influence of Effector Substances on Selected Aspects of Thyroid Metabolism

*Field of Specialization:* Biochemistry

David Norman Camaione, Newington, Conn.

B.S. in Edu., M.A.

*Dissertation:* A Comparison among Three Tests for Measuring Maximal Oxygen Consumption

*Field of Specialization:* Physical Education

Marvin Samuel Cannon, Toledo

B.S., M.S. (University of Toledo)

*Dissertation:* A Morphological, Cytochemical and Statistical Approach to the Classification of Lymphocytes

*Field of Specialization:* Anatomy

Robert Morrison Carroll, Albuquerque, N. Mex.

B.S. (University of New Mexico); M.A.

*Dissertation:* A Monte Carlo Comparison of Nonmetric Multidimensional Scaling and Factor Analysis

*Field of Specialization:* Psychology

John Gabriel Chidaine, Toronto, Ont., Canada

B.A., M.A. (University of Arizona)

*Dissertation:* A Patois of Saintonge: Descriptive Analysis of an Idiolect and Assessment of Present State of Saintongeais

*Field of Specialization:* Romance Languages

Thomas George Cleaver, Cleveland

B.S.E.E. (Case Western Reserve University); M.S.

*Dissertation:* Spatial Transfer Functions of the Visual System at Detection Threshold

*Field of Specialization:* Biophysics

James Harris Constable, Dayton

B.S. in Phys., M.S.

*Dissertation:* Relaxation Studies of Low Ortho Concentration Solid Hydrogen at Very Low Temperatures

*Field of Specialization:* Physics

Phillip Eugene Cornwell, Columbus

B.S. in Edu.

*Dissertation:* Evidence for an Alternate Pathway of Pteridine Biosynthesis in Purine Requiring Mutants of *Escherichia coli* and *Salmonella typhimurium*

*Field of Specialization:* Medical Microbiology

Wesley Blanke Crow, Fairborn

M.E. (University of Cincinnati); M.S. in Met.Engr.

(Air Force Institute of Technology)

*Dissertation:* Diffusion of Cobalt, Nickel, and Iron in Cobalt Oxide and Nickel Oxide

*Field of Specialization:* Metallurgical Engineering

Kermit George Cudd, Worthington

B.A., M.A. (University of Wisconsin)

*Dissertation:* Latent Social Roles as a Determinant of Referents for Equitable Salary Comparisons

*Field of Specialization:* Business Organization

Louis Morris Cunningham, New Concord

A.B. (Capital University); M.A.

*Dissertation:* Approaches to Counseling/Psychotherapy: A Selective Examination for School Counseling

*Field of Specialization:* Education

David Alan Dalby, Benton, Ill.

B.A. (Southern Illinois University); M.A.

*Dissertation:* Effect of Septal Lesions on the Acquisition of Two Types of Active Avoidance Behavior in Rats

*Field of Specialization:* Psychology

Lauren William Dauernheim, Cape Girardeau, Mo.

A.B. (Washington University); M.A. (University of Arizona)

*Dissertation:* Synthesis of Alkylated Benzenes and Lithium Aluminum Hydride Reduction of 1,3-Dihalides

*Field of Specialization:* Chemistry

John Franklin Davies, Akron

B.S. in Soc. Adm., M.A. in Soc. Adm.

*Dissertation:* Differential Perceptions of Delinquent Behavior

*Field of Specialization:* Sociology

Emilio De Grazia, Dearborn, Mich.

A.B. (Albion College); M.A.

*Dissertation:* The Life and Works of George Lippard

*Field of Specialization:* English

John Peter Durham, Oxford, England

B.A. (University of Oxford)

*Dissertation:* Deoxycytidine Kinase: The Isolation, Nucleotide Modulation of Activity and Kinetic Properties of the Enzyme from Calf Thymus and its Distribution and Function in Mammalian Tissues

*Field of Specialization:* Biochemistry

Charles Gary Echebarger, Findlay

B.A., M.A.

*Dissertation:* Wilfrid Sellars' Philosophy of Mind

*Field of Specialization:* Philosophy

Richard Frank Eizember, Garfield Heights

B.S. (Baldwin-Wallace College); M.S.

*Dissertation:* The Photochemical and Thermal Reactivity of Selected Medium-Ring Ketones and Olefins

*Field of Specialization:* Chemistry

Yilmaz Esensoy, Ankara, Turkey

M.Ag. (University of North Carolina)

*Dissertation:* Domestic and Export Demand for U.S. Cigarette Tobaccos

*Field of Specialization:* Agricultural Economics and Rural Sociology

\*Degree granted in cooperation with Miami University

Roger Stanton Fager, Cross River, N. Y.  
B.S. (Carnegie-Mellon University)  
*Dissertation*: Studies of the Separation of the Isozymes of  
Mushroom Tyrosinase by Electrophoresis  
*Field of Specialization*: Physiological Chemistry

Barry Philip Fairand, Columbus  
B.S. (LeMoyne College); M.S. (University of Detroit)  
*Dissertation*: Fast Neutron Sputtering from  
Polycrystalline and Monocrystalline Gold Crystals  
*Field of Specialization*: Physics

Allison Foulds Fentiman, Jr., Columbus  
B.S. (Muskingum College); M.S.  
*Dissertation*: Aryl Delocalization vs. Neighboring Group  
Participation  
*Field of Specialization*: Chemistry

Marilyn Ruth Fenton, Salem  
B.S. (Capital University); M.S.  
*Dissertation*: Characterization of Acid Phosphatase  
Isozymes from Human Erythrocytes  
*Field of Specialization*: Physiological Chemistry

Lewis Thomas Fitch, Charleston, S. C.  
B.S. in E.E. (Duke University); M.S. (North Carolina  
State University at Raleigh)  
*Dissertation*: A Survey between 0° and 20° North  
Declination Using The Ohio State University Radio  
Telescope at 612, 1415, and 2650 MHz  
*Field of Specialization*: Electrical Engineering

Bruce Clayton Flack, Westerville  
B.A. (Otterbein College); M.A.  
*Dissertation*: The Work of the American Youth  
Commission, 1935-1942  
*Field of Specialization*: History

Ben Vivian Flora, Jr., DeKalb, Ill.  
B.S. (Eastern Kentucky University); M.A. (George  
Peabody College for Teachers); M.S. (University of  
Illinois)  
*Dissertation*: Development of an Instrument for Assessing  
Teacher Behavior Characteristics of Teachers of  
Secondary School Mathematics  
*Field of Specialization*: Education

Charles Willard Follett, Ashland  
B.S. in Edu., M.A.  
*Dissertation*: Student Participation in the Decision  
Making Process in Colleges and Universities of Ohio  
*Field of Specialization*: Education

John Edwin Foster, Springfield  
B.E.E., M.S.  
*Dissertation*: Electrical Characteristics of the Silicon  
Nitride-Gallium Arsenide Interface  
*Field of Specialization*: Electrical Engineering

Memo Froese, Ruthven, Ont., Canada  
B.A. (Bethel College); B.D. (Chicago Theological  
Seminary); M.A.  
*Dissertation*: Patterns of Job-Seeking and Job Mobility  
among Presbyterian Ministers  
*Field of Specialization*: Sociology

Milan Fryšćák, Springfield  
M.A. (University of California)  
*Dissertation*: The Morphology of Slavic Numerals  
*Field of Specialization*: Slavic Languages and Literatures

James Gibson Gamble, Akron  
B.S., B.A.  
*Dissertation*: RNA and Protein Synthesis in Heart  
Mitochondria  
*Field of Specialization*: Physiological Chemistry

Alan Garfinkel, Stillwater, Okla.  
A.B., A.M. (University of Illinois)  
*Dissertation*: The Effects of an Enrichment-Oriented  
Radio Program on Measures of Listening Comprehension  
and Student Attitude Made in Level II High School  
Spanish Courses  
*Field of Specialization*: Education

Lenora Sverdlik Greenbaum, Columbus  
A.B. (Hunter College); A.M. (New York University)  
*Dissertation*: Possession Trance as a Factor in Decision  
Making and Social Change in Sub-Saharan Africa  
*Field of Specialization*: Sociology

Charles Nelson Greene, Columbus  
B.S. in Bus. Adm., M.B.A.  
*Dissertation*: The Development of Role Consensus and  
its Effect on Evaluation of Performance and Satisfaction  
within the Managerial Dyad  
*Field of Specialization*: Business Organization

Richard William Grimm, Columbus  
B.S. (Capital University); M.S. (Stanford University)  
*Dissertation*: A Bayesian Decision Analysis of  
Mathematical Modeling  
*Field of Specialization*: Industrial Engineering

Steven John Gyuro, Columbus  
B.S. in Edu., M.A.  
*Dissertation*: Effectiveness of Research Stimulation in a  
University Setting  
*Field of Specialization*: Education

Tran Trong Ha, Saigon, Viet Nam  
M.D. (University of Saigon); M.S.  
*Dissertation*: Latent Carcinoma of the Prostate. Incidence,  
Sites of Origin, Mode of Development and Pathology in a  
Study of One Thousand Consecutive Autopsies  
*Field of Specialization*: Pathology

Douglas Fleming Hale, Columbus  
B.S., M.S.  
*Dissertation*: Integral Bases in Banach Spaces  
*Field of Specialization*: Mathematics

Charles Lewis Hall, Kenosha, Wis.  
B.S. (Marquette University)  
*Dissertation*: Studies Involving Single Hydrogen-Bridge  
Boranes  
*Field of Specialization*: Chemistry

Richard Eugene Hall, Jefferson, S. D.  
A.B. (University of South Dakota); M.S.  
*Dissertation*: Molecular Hydride Complexes Containing  
Aluminum and Boron  
*Field of Specialization*: Chemistry

- Robert Joseph Hart, Pittsburgh, Pa.  
B.S. Met. E. (University of Pittsburgh); M.S.  
*Dissertation*: The Effect of Hydrogen Sulfide, Hydrogen Ion Activity and Sulfate Concentration on the Polarization Characteristics of Iron  
*Field of Specialization*: Metallurgical Chemistry
- Horace Cyrus Hawn, Columbus  
B.Mus., M.A. (John B. Stetson University)  
*Dissertation*: Openness in High Schools and Its Consequent Effect on Behavior among Twelfth Grade Students  
*Field of Specialization*: Education
- Richard Elmer Heikkila, Fairport Harbor  
B.A.  
*Dissertation*: Collapse and Solution Phenomena and Their Effects on the Stability of Fatty Acid Monolayers  
*Field of Specialization*: Physiological Chemistry
- William Lewis Henning, Jr., State College, Pa.  
B.A. (Swarthmore College); M.S.  
*Dissertation*: An Economic Analysis of Savings and Income in Rural America  
*Field of Specialization*: Agricultural Economics and Rural Sociology
- Thomas Albert Hern, Cincinnati  
A.B. (University of Cincinnati); M.S.  
*Dissertation*: Error Estimates for the Weak Convergence to Certain Infinitely Divisible Probability Distributions  
*Field of Specialization*: Mathematics
- John Burton Hitt, Springfield  
B.S. in Ed. (Wittenberg University); M.S.  
*Dissertation*: *In Vitro* Studies on the Uptake and Release of Calcium Ions by Mitochondria from the Calciferous Gland of the Earthworm, *Lumbricus terrestris*  
*Field of Specialization*: Zoology
- Karl Egmond Hoekstra, Gahanna  
A.B., M.S. (Miami University)  
*Dissertation*: Crystal Chemical Considerations of the Spinel Structural Group  
*Field of Specialization*: Mineralogy
- Guy Theodore Hogan, Oneonta, N. Y.  
A.B. (Talladega College); M.S. (University of Chicago)  
*Dissertation*: Variations on the  $H_p$  Problem for Finite  $p$ -Groups  
*Field of Specialization*: Mathematics
- Agatha Louise Huepenbecker, Fort Wayne, Ind.  
B.S. in H.Econ. (Indiana University); M.S. (Iowa State University)  
*Dissertation*: Pre-Columbian Peruvian Costume: Characteristics and Variations in the Poncho-Shirt  
*Field of Specialization*: Home Economics
- Ronald Carson Huff, Owensboro, Ky.  
B.A. (Florida State University); M.A.  
*Dissertation*: Some Effects of Compound Generalized Stimulation along a Wavelength Continuum  
*Field of Specialization*: Psychology
- David Lyn Innes, Fairview Park  
B.A. (Ohio Wesleyan University); M.S. (University of Cincinnati)  
*Dissertation*: Estrogen and Progesterone Sensitive Structures in the Limbic System  
*Field of Specialization*: Physiology
- William Edward Jacobus, Solon  
B.A. (Ohio Wesleyan University)  
*Dissertation*: Studies on the Mitochondrion. Part I: Passive Cation Binding by Bovine Heart Submitochondrial Particles. Part II: The Role of Oxygen in the Induction of Cytochrome Biosynthesis by *Saccharomyces cerevisiae*  
*Field of Specialization*: Physiological Chemistry
- Patricia Beran James, Euclid  
B.A., M.A.  
*Dissertation*: Children's Interpretations of Multi-channel Communications Conveying Verbal and Nonverbal Meanings  
*Field of Specialization*: Psychology
- Marlyn King Jenkins, Kent  
B.S. in Edu., M.Ed. (Kent State University)  
*Dissertation*: Contributions of Textile and Clothing Courses to the Goals of General-Liberal and Professional Education  
*Field of Specialization*: Home Economics
- Howard Denny Johnson, II, Fayette, Mo.  
B.A. (Central Methodist College)  
*Dissertation*: The Brønsted Acidity of Hexaborane(10), Preparation of the Nonahydrohexaborate ( $-1$ ) Ion; Studies on the Octahydrodipentaborate ( $-1$ ) Ion and Its Reaction with Diborane(6)  
*Field of Specialization*: Chemistry
- George William Kalb, Cuyahoga Falls  
B.S. (College of Wooster); M.S.  
*Dissertation*: Desorption Isotherms of Montmorillonite-organic Complexes  
*Field of Specialization*: Mineralogy
- James L. Kamm, Toledo  
B.S. (Carnegie-Mellon University)  
*Dissertation*: A Class of High Energy, Close Approach Trajectories in the Three-Body Problem  
*Field of Specialization*: Aeronautical and Astronautical Engineering
- Donald Lee Karr, Columbus  
B.S.Ed. (Ohio University); M.Ed. (University of Cincinnati)  
*Dissertation*: Problems and Perceptions of Practical Nursing Instructors in Relation to Their Trade and Industrial Teacher Education Program  
*Field of Specialization*: Education
- Karl Clinton Kauffman, Waynesville  
B.S. (University of Dayton); M.S.  
*Dissertation*: The Kinetics of Base-Catalyzed Enolization of 2-Phenylcycloalkanones and Cycloalkyl Phenyl Ketones  
*Field of Specialization*: Chemistry
- Roger Raymond Kempel, Akron  
B.A. (Ohio Wesleyan University)  
*Dissertation*: Diagnostic Studies of Hydrogen Plasmas Heated by Two-Phase Excitation at the Cyclotron Frequency  
*Field of Specialization*: Physics
- Richard John Kestler, Grand Forks, N. D.  
A.B. (Cornell University)  
*Dissertation*: An Analysis of British Political Party Policies toward the Independence Movements in Four African Countries: 1946-1964  
*Field of Specialization*: Political Science



Russell Dale Kittle, Wayne City, Ill.  
B.S. in Ed. (Southern Illinois University); M.A.  
(University of Florida)  
*Dissertation:* Toby and Susie: The Show-Business Success  
Story of Neil and Caroline Schaffner, 1925-1962  
*Field of Specialization:* Theatre

George Austin Klein, Jr., Willoughby  
B.A. (Denison University); M.A. (University of Chicago)  
*Dissertation:* Sir Henry Campbell-Bannerman and the  
Liberal Imperialists: 1899-1903  
*Field of Specialization:* History

Joseph Edward Knapp, Columbus  
B.S. in Phar., M.S.  
*Dissertation:* The Isolation and Chemical Characterization  
of Alkaloids from *Menispermum canadense*, L.  
*Field of Specialization:* Pharmacy

Paul Reginald Knott, Trenton, N. J.  
B.S. in Aero.Engr. (Parks College of Aeronautical  
Engineering)  
*Dissertation:* Noise Generated by Turbulent  
Non-Premixed Flames  
*Field of Specialization:* Aeronautical and Astronautical  
Engineering

David Almy Knowlton, Washington, D. C.  
B.S. (Capital University); M.S.  
*Dissertation:* The Metabolism and Biological Activity of  
Certain N,N'-bis (Dichloroacetyl)-Diamines  
*Field of Specialization:* Physiological Chemistry

Fritz Carl Kokesh, Hopkins, Minn.  
B.S. (Lewis College)  
*Dissertation:* Quantitative Examination of the Stepwise  
Mechanisms of Acetaldehyde and Formocholine Hydrolysis  
*Field of Specialization:* Chemistry

Donald Edward Koopman, Dayton  
B.A. (Ohio Wesleyan University)  
*Dissertation:* The Adsorption of Crystal Violet Lactone  
by Kaolinite  
*Field of Specialization:* Mineralogy

Robert Kosak, Jr., Brick Town, N. J.  
B.S. (Mech.Engr.) (Newark College of Engineering);  
M.S. (Materials Engr.) (Air Force Institute of  
Technology)  
*Dissertation:* The Oxidation Mechanism of the Ni-Cr-Al  
Alloys  
*Field of Specialization:* Metallurgical Engineering

Laurence Edward Kunes, Geneva  
B.S., M.S.  
*Dissertation:* Error Estimates for the Normal  
Approximation to Normed Sums of Random Variables  
of a Markov Chain  
*Field of Specialization:* Mathematics

Richard Lee Large, Culver, Ind.  
B.S.A. (Purdue University); M.S. (Oklahoma State  
University)  
*Dissertation:* The Fixation and Release of Native and  
Applied Potassium from Soils as Affected by Drying,  
Cropping, and Mineralogy  
*Field of Specialization:* Agronomy

David Lee Larimore, Lexington, Ky.  
B.S., M.S. (North Carolina State University)  
*Dissertation:* The Structure and Social Antecedents of  
Teacher Attitudes  
*Field of Specialization:* Education

Lloyd Robert Lawrence, Jr., Hamilton, N. Y.  
A.B. (Colgate University); M.S.  
*Dissertation:* Photochemical Initiation of Combustion and  
Quantum Yields in Flowing Mixtures of Hydrogen,  
Oxygen, and Chlorine  
*Field of Specialization:* Aeronautical and Astronautical  
Engineering

Samuel Chen-Ying Ling, Dayton  
B.S. (National Taiwan University); M.S. (Baylor  
University)  
*Dissertation:* A Study of the Excited States between 18  
and 22 MeV in  $^{10}\text{B}$   
*Field of Specialization:* Physics

Matthias Chi-Hwa Lu, Taipei, Taiwan  
B.S. (Kaohsiung Medical College)  
*Dissertation:* Studies Directed toward the Synthesis of  
*cis*- and *trans*-2-Mercaptocyclopropylamines for  
Evaluation as Radiation-Protective Agents  
*Field of Specialization:* Pharmacy

Loren Lemoine Lucas, West Mansfield  
B.S. in Food Tech., M.S.  
*Dissertation:* Variables Affecting the Efficiencies of  
Peeling Tomatoes with Caustic Soda  
*Field of Specialization:* Horticulture

Ronald Mark Marshall, Kettering  
B.S. in Bus.Adm.; M.B.A. (University of Michigan)  
*Dissertation:* The Semantic Specification Behavior of  
Auditors with Respect to Auditing Concepts  
*Field of Specialization:* Accounting

William David Mason, Mt. Sterling  
B.S. in Phar., M.S.  
*Dissertation:* Kinetic Studies and Continuous Analysis in  
Flowing Streams of Monamine Oxidase Activity by  
Amperometric Measurement at a Tubular Carbon  
Electrode  
*Field of Specialization:* Pharmacy

Marc David Matre, Brookhaven, Pa.  
B.A. (Miami University); M.A.  
*Dissertation:* Some Implications of the Development of  
the Puerto Rican Highway System for the Urban Ecology  
of Puerto Rico  
*Field of Specialization:* Sociology

Carolyn Jean Matzke, Saginaw, Mich.  
B.A. (Michigan State University); A.M. (University of  
Michigan)  
*Dissertation:* The Influence of Menander on Terence as  
Shown by a Synonymic Study of "Saying"  
*Field of Specialization:* Classics

James Eakin McConnell, Williamsville, N. Y.  
B.S. in Edu. (Slippery Rock State College); M.A. (Miami  
University)  
*Dissertation:* An Analysis of International Trade  
Networks: The Examples of EFTA and LAFTA  
*Field of Specialization:* Geography

- Joseph Meeks, Portsmouth  
B.S., M.S.  
*Dissertation*: Measure in Proximity Structures  
*Field of Specialization*: Mathematics
- Michael Eugene Mickelson, Columbus  
B.S.  
*Dissertation*: Infrared Bands of  $^{12}\text{C}_2\text{H}_2$ ,  $^{13}\text{C}_2\text{H}_2$ , and  $^{12}\text{C}^{13}\text{CH}_2$   
*Field of Specialization*: Physics
- Malvern Lynn Miller, Blacksburg, Va.  
B.S., M.S. (Oklahoma State University)  
*Dissertation*: Critical Requirements for the Socioeconomically Disadvantaged Employed in Retail Jobs in Columbus, Ohio  
*Field of Specialization*: Education
- Michihiro Miyagi, Ginowan, Okinawa  
B.A. (University of Miyazaki); M.A. (University of Hawaii)  
*Dissertation*: Impact of Jet Aircraft Introduction to the Airline Network of the United States  
*Field of Specialization*: Geography
- Kuk Jin Moon, Seoul, Korea  
B.Sc. (Yonsei University); M.S.  
*Dissertation*: Highly Excited States of  $^{12}\text{C}$  and  $^{16}\text{O}$  from  $^3\text{He}$  Capture Studies  
*Field of Specialization*: Physics
- David Clinton Morris, Grove City  
B.A., M.A.  
*Dissertation*: White Racial Orientations toward Negroes in an Urban Context  
*Field of Specialization*: Sociology
- Lila Catherine Murphy, Concord, N. H.  
B.Ed., M.Edu. (Keene State College)  
*Dissertation*: The Feasibility of Audiotape-Telephone Supervision of High School Teachers  
*Field of Specialization*: Home Economics
- Richard John Naskali, Moscow, Idaho  
B.S. in Agr., M.S.  
*Dissertation*: The Effects of Acute Gamma Radiation on *Chrysanthemum* Inflorescence Morphogenesis  
*Field of Specialization*: Botany
- Robert Alan Osterhouse, College Park, Md.  
B.A. (Whitworth College); M.A.  
*Dissertation*: A Comparison of Desensitization and Study-Skills Training for the Treatment of Two Kinds of Test-Anxious Students  
*Field of Specialization*: Psychology
- William Craig Pavord, Groesbeck  
B.S. (Pennsylvania State University); M.B.A.  
*Dissertation*: The Relationship between Interface and Service Quality in Contacts between Faculty and University Enterprises  
*Field of Specialization*: Business Organization
- John David Piper, Bowling Green  
B.A. (Mount Union College); M.Ed. (Bowling Green State University)  
*Dissertation*: A Criteria Score Card for Evaluating Doctoral Programs in Physical Education  
*Field of Specialization*: Physical Education
- Edith Jane Porter, Steubenville  
A.B., M.Ed. (Ohio University)  
*Dissertation*: The Effect of a Program of Reading Aloud to Middle Grade Children in the Inner City  
*Field of Specialization*: Education
- John Marshall Purcell, Cincinnati  
B.A., B. of Ed. (University of Cincinnati); M.A. (Middlebury College)  
*Dissertation*: Role Definition of the State Foreign Language Supervisor  
*Field of Specialization*: Education
- Mohammad Abdur Rauf, Karachi, Pakistan  
B.A., M.A. (University of Lucknow)  
*Dissertation*: Crabwood Creek: A Study of Cultural Continuity and Ethnic Identity on Different Generational Levels among East Indians in Guyana  
*Field of Specialization*: Anthropology
- Janice McKenna Reynolds, Hubbardston, Mich.  
B.S.Edu. (Central Michigan University); M.A.  
*Dissertation*: A Comparative Analysis of Behavioristic and Transformational Paradigms  
*Field of Specialization*: Sociology
- Ernest Louis Rock, Dayton  
B.A. (Saint Vincent College); M.A.T. (Indiana University)  
*Dissertation*: A Readability Graph for Russian  
*Field of Specialization*: Education
- Larry Rosenberg, Philadelphia, Pa.  
B.S. in Bus. Adm. (Drexel Institute of Technology); M.B.A.  
*Dissertation*: An Empirical Examination of the Causes, Level, and Consequences of Conflict in a High Stake Distribution Channel  
*Field of Specialization*: Business Organization
- Joseph Suyeo Sakumura, Columbus  
B.A. (Elmhurst College); B.D. (Eden Theological Seminary); M.A.  
*Dissertation*: An Analysis of an Experimental Educational Research and Development Program for Talented Undergraduate Education Students  
*Field of Specialization*: Education
- Saswinadi Sasmojo, Bandung, Indonesia  
M.S.Chem. Engr. (University of Wisconsin)  
*Dissertation*: Oxidation Kinetics of Pyritic Materials in Aqueous Media  
*Field of Specialization*: Chemical Engineering
- Richard Rayner Schehl, Caldwell  
B.S. (Ohio University)  
*Dissertation*: Electron Paramagnetic Resonance of Gadolinium(III) in Cadmium Sulfide Single Crystals  
*Field of Specialization*: Physics
- John Lathrop Schlacter, Hudson  
B.B.A. (Case Western Reserve University); M.B.A.  
*Dissertation*: Increased Participation in the Decision-Making Process among Field Crews in the Ohio Department of Highways: A Field Experiment  
*Field of Specialization*: Business Organization

Eugene David Schmiel, Parma  
B.A. (Saint Francis College, Pennsylvania)  
*Dissertation*: The Career of Jacob Dolson Cox, 1828-1900:  
Soldier, Scholar, Statesman  
*Field of Specialization*: History

Kathryn Mann Scott, Worthington  
B.A.  
*Dissertation*: Differential Effects of Mercurial Reagents  
on Membrane Thiols and on the ATP-Energized  
Reactions of Heart Mitochondria  
*Field of Specialization*: Physiological Chemistry

Norman Eugene Shank, Harrisonburg, Va.  
B.S. (Eastern Mennonite College)  
*Dissertation*: Pulse Radiolysis Studies of Aromatic  
Radical Cations in 1,2-Dichloroethane  
*Field of Specialization*: Chemistry

Charles Tecumseh Shirkey, Columbus  
B.S.  
*Dissertation*: Temperature Dependence of the Resonance  
Linewidths in Ferromagnetic Thin Films  
*Field of Specialization*: Physics

Ted Henry Short, Delta  
B.Agr.E., M.S.  
*Dissertation*: On the Analysis and Simulation of  
Mechanical Down-the-Row Plant Thinning  
*Field of Specialization*: Agricultural Engineering

James Otis Smith, Big Spring, Tex.  
B.A. (Hardin-Simmons University); M.A. (University  
of Texas)  
*Dissertation*: Social Research in a Psychiatric Setting:  
The Natural History of a Research Project  
*Field of Specialization*: Sociology

Myrtle Lee Smith, Garland, N. C.  
B.S. (North Carolina College); M.S.  
*Dissertation*: An Investigation of Undergraduate  
Transfer Students in the School of Home Economics at  
The Ohio State University 1965-1968  
*Field of Specialization*: Home Economics

Gene Edmund Stanley, Claymont, Del.  
A.B. (Asbury College); M.A.  
*Dissertation*: A Study of the Attitudinal Change of  
Teachers in an Inservice Education Program  
*Field of Specialization*: Education

Gene R. Stebbins, Kent  
B.S. (Manchester College); M.A. (Bowling Green  
State University)  
*Dissertation*: Listener-Sponsored Radio: The Pacifica  
Stations  
*Field of Specialization*: Speech

Paul Carlyle Storm, Berne, Ind.  
B.S. (Wheaton College); M.S.  
*Dissertation*: Anchimeric Oxygen Participation in  
Reactions of Oxabicyclic Compounds  
*Field of Specialization*: Chemistry

Richard Grey Swartzbaugh, Toledo  
B.A., M.A.  
*Dissertation*: Machismo: A Value System of a Mexican  
Peasant Class  
*Field of Specialization*: Anthropology

George Monroe Swisher, Columbus  
B.S.M.E. (University of Cincinnati); M.S.  
*Dissertation*: A Theoretical and Experimental  
Investigation of the Dynamics of Hydraulic Control  
Systems Connected by Long Lines or Hoses  
*Field of Specialization*: Mechanical Engineering

Sandra Annear Thompson, Berea  
B.A., M.A.  
*Dissertation*: On Relative Clause Structures in Relation  
to the Nature of Sentence Complexity  
*Field of Specialization*: Linguistics

Jon Howard Tuttle, Columbus  
B.S., M.S.  
*Dissertation*: Aspects of Iron and Sulfur Oxidations by  
the Chemoautotroph *Thiobacillus Ferrooxidans* with  
Emphasis on Inhibition by Organic Compounds  
*Field of Specialization*: Microbiology

James Duane Utzinger, Grove City  
B.S. in Agr., M.S., B.S. in Edu.  
*Dissertation*: Educational Opportunities in Horticulture  
for Ohio Youth  
*Field of Specialization*: Agricultural Education

James Thomas Van Kuren, Fairborn  
B.S.M.E. (Case Western Reserve University)  
*Dissertation*: Experimental and Theoretical Investigation  
of the Nozzle Flow in a Large Arc-Heated Hypersonic  
Wind Tunnel  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

William Lee Van Wormer, Hamilton  
B.S. in Ed., B.A.A. (University of Cincinnati); M.A.  
*Dissertation*: Development of a Delivery System for  
Producing Low-Cost Customized Visual Materials and  
Studying Barriers to Optimal Use of the System in  
Developing Institutions: A Qualitative Analysis  
*Field of Specialization*: Education

Derrald Wayne Vaughn, McKinleyville, Calif.  
A.B., M.A. (Humboldt State College)  
*Dissertation*: The Development of Role-Taking Ability  
and Its Relationship to Success in School  
*Field of Specialization*: Psychology

Carole Allen Vickers, Huntington, W. Va.  
B.A., M.A. (Marshall University)  
*Dissertation*: Level of Selected Home Management  
Concepts Attained in Residence and Non-Residence  
Courses  
*Field of Specialization*: Home Economics

Keith Edward Wagner, Meadville, Pa.  
B.A. (Thiel College); M.A.  
*Dissertation*: Economic Development in Pennsylvania  
during the Civil War, 1861-1865  
*Field of Specialization*: History

Darrell Winterton Walker, Kamas, Utah  
B.E.S., M.S. (Brigham Young University)  
*Dissertation*: An Investigation of the Shock Ignition  
Characteristics of Static and Flowing Combustible  
Mixtures  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

- Louis Wehrle, Jr., Columbus  
 B.S. (University of Toledo); M.S.  
*Dissertation*: The Use of Cortisone as an Adjunct to  
 Chloroquine and Quinacrine in the Treatment of  
 Avian Malaria  
*Field of Specialization*: Microbiology
- Marion Roy Wenger, Goshen, Ind.  
 B.A. (Goshen College); M.A.  
*Dissertation*: A Swiss-German Dialect Study: Three  
 Linguistic Islands in Midwestern U.S.A.  
*Field of Specialization*: German
- Richard Kenneth White, Mercer, Pa.  
 B.S. (Pennsylvania State University); S.T.B. (Biblical  
 Seminary, New York); M.S. (Pennsylvania State  
 University)  
*Dissertation*: Gas Chromatographic Analysis of Odors  
 from Dairy Animal Wastes  
*Field of Specialization*: Agricultural Engineering
- Jack Edward Williams, Lima  
 B.S. in Edu. (Ohio Northern University); M.Edu.  
*Dissertation*: The Unionization of Teachers  
*Field of Specialization*: Education
- Craig Dean Willis, Delaware  
 B.A. (Ohio Wesleyan University); M.A.  
*Dissertation*: The Tudors and Their Tutors: A Study of  
 Sixteenth Century Royal Education in Britain  
*Field of Specialization*: Education
- Charles Mack Wilson, Columbus  
 B.S.Ed., M.Ed. (Ohio University)  
*Dissertation*: Improving Academic and Social Adjustment  
 to College: An Experimental Study Involving High  
 School Seniors  
*Field of Specialization*: Education
- Arthur Melvyn Winer, Santa Monica, Calif.  
 B.S. (University of California)  
*Dissertation*: Electron Paramagnetic Resonance Studies  
 of Oriented Aromatic Hydrocarbons in the Phosphorescent  
 State at Low Magnetic Fields  
*Field of Specialization*: Chemistry
- James Kenneth Wood, Broomfield, Colo.  
 B.S. (Colorado State University); M.S. (Kansas State  
 College of Pittsburg)  
*Dissertation*: An Attempted Synthesis of Heptahelicene  
*Field of Specialization*: Chemistry
- Larry Ivan Yarrington, Columbus  
 B.S.  
*Dissertation*: Electron Paramagnetic Resonance Study  
 of Fe +3 in Orthoclase  
*Field of Specialization*: Physics

## Master of Accounting

One candidate

Charles Michael Ciuni, Cleveland  
B.S. in B.A. (John Carroll  
University)  
*Field of Specialization:* Accounting

## Master of Arts

One hundred and seventeen candidates

Edward Lee Abercrombie, Plain City  
B.S. in Ed. (West Virginia State  
College)  
*Field of Specialization:* Education

Mary Catherine Adams, Detroit, Mich.  
B.A. (Wayne State University)  
*Field of Specialization:* Speech

Oakley Montlemuel Addis, Westerville  
B.S. (Rio Grande College)  
*Field of Specialization:* Education

Michael Wakefield Allen, Clarion, Ia.  
B.A. (Cornell College)  
*Field of Specialization:* Psychology

Roger Bradford Baldwin, Columbus  
B.A. (Otterbein College)  
*Field of Specialization:* Psychology

Timothy Howard Baughman,  
St. Petersburg, Fla.  
B.A. (Stetson University)  
*Field of Specialization:* History

Dan Lee Brown, Reynoldsburg  
B.S.Ed. (Ohio University)  
*Field of Specialization:* Education

Dean Sylvan Brown, Columbus  
B.S. in Sec.Educ. (Rio Grande  
College)  
*Field of Specialization:* Education

Susan Battles Brown, Columbus  
B.A. (Mount Union College)  
*Field of Specialization:* Theatre

Nancy Spilburg Bruey, Fairview Park  
B.A. (Muskingum College)  
*Field of Specialization:* Physical  
Education

Edgar Maurice Bunnell, Gahanna  
B.A. (Wayland College)  
*Field of Specialization:* Education

Diane Pollack Burhenne, Columbus  
B.A. (University of Florida)  
*Field of Specialization:* Psychology

Holly Hudson Castle, London  
B.A.  
*Field of Specialization:* English

Karen Wolfe Christensen, Conneaut  
B.A.  
*Field of Specialization:* English  
(TESOL)

Soon Ja Chung, Seoul, Korea  
B.Music (Seoul National University)  
*Field of Specialization:* Music

Camilla Sue Colantonio,  
Hammond, Ind.  
A.B. (Indiana University)  
*Field of Specialization:* Education

Larry George Crouch, Akron  
B.A. (Kent State University)  
*Field of Specialization:* Political  
Science

Nancy Montrew Delaplane,  
White Heath, Ill.  
B.S. (University of Illinois)  
*Field of Specialization:* Physical  
Education

Joanne Luckino Diederich, Columbus  
A.B. (Ohio Dominican College)  
*Field of Specialization:* English

Frank Joseph DiGilio,  
Philadelphia, Pa.  
B.A. (La Salle College)  
*Field of Specialization:* German

William Irving Dorfman, Miami, Fla.  
B.S. (University of Scranton)  
*Field of Specialization:* Psychology

Patricia Brogan Duerler, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Victor Earl Edmonds, Cincinnati  
B.S.Edu. (University of Dayton)  
*Field of Specialization:* Education

Frank Thomas Eggemeier,  
Covington, Ky.  
B.A. (University of Dayton)  
*Field of Specialization:* Psychology

Edward Fred Eisenberg, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Lola Kay Ericson, Hilliard  
B.S. (Youngstown State University)  
*Field of Specialization:* Education

Marilyn Sayle Evarts, Chagrin Falls  
B.A.  
*Field of Specialization:* Education

Marianne Leeson Fauble, Poland  
B.A. (Ohio Dominican College)  
*Field of Specialization:* Psychology

Marianne Wardle Featheringham,  
Columbus  
B.S. in Edu. (Muskingum College)  
*Field of Specialization:* Education

Judith Ann Fetter, Columbus  
B.A. (Ohio Dominican College)  
*Field of Specialization:* Romance  
Languages

Glen William Fouss, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Education

Norman Friedman, Cleveland  
A.B. (Miami University)  
*Field of Specialization:* Speech

Rolf Albert Fuessler, Rosedale, N. Y.  
B.A. (State University of New York  
at Stony Brook)  
*Field of Specialization:* Journalism

James John Funaro, Independence  
B.A. (Denison University)  
*Field of Specialization:* Anthropology

Mary Louise Gallagher, Cleveland  
B.A. (Saint Mary's College, Indiana)  
*Field of Specialization:* Classics

Maria Cristina Navarro Garcia,  
Columbus  
Dr. en Pedagogia (Universidad  
Central "Marta Abreu" de Las Villas)  
*Field of Specialization:* Education

Robert Lewis Glendenning, Carroll  
B.S.  
*Field of Specialization:* Psychology

Barbara Ann Gorsky, Dover  
B.S. in Edu.  
*Field of Specialization:* Education

Sister Maryam Gossling,  
LaCrosse, Wis.  
B. of Art Edu. (Viterbo College)  
*Field of Specialization:* Art

David Victor Goulding,  
Winnipeg, Man., Canada  
B.P.E. (University of Manitoba)  
*Field of Specialization:* Physical  
Education

William Henry Griffin, Bedford  
B.S. in Edu.  
*Field of Specialization:* Music

Karen Elaine Hamilton, Springfield  
B.A.  
*Field of Specialization:* Romance  
Languages

Douglas Brian Hampton, Tallmadge  
B.A. in A. and S. (Kent State  
University)  
*Field of Specialization:* History

Theresa Ann Altic Harrington,  
Grove City  
B. of Mus. (Eastern Nazarene  
College)  
*Field of Specialization:* Music

- Sue Elizabeth Hill, Marion  
B.A.  
*Field of Specialization: Sociology*
- Daniel Louis Hornbeck, Mission, Kan.  
B.A. (University of Kansas)  
*Field of Specialization: History*
- Patricia Marian Jameson, Cincinnati  
B.A. (Northwestern University)  
*Field of Specialization: Political Science*
- Diane Elizabeth Fuller Jenkins, Minneapolis, Minn.  
A.B. (Ohio University)  
*Field of Specialization: Education*
- Linda Marie Connor Kane, Buffalo, N. Y.  
B.A. (Le Moyne College)  
*Field of Specialization: Psychology*
- Joseph DeRoy Keefer, Washington C. H.  
B.A. in Jour.  
*Field of Specialization: Journalism*
- John Michael Keenan, Grove City  
B.S. in Edu. (West Chester State College)  
*Field of Specialization: Psychology*
- Carol Jean Kelsey, Columbus  
B.M.Ed. (Westminster College, Pennsylvania)  
*Field of Specialization: Music*
- Paul Esmond King, Sutton, England  
B.A. (University of Bristol)  
*Field of Specialization: Geography*
- Mary Reeder Lawless, Columbus  
B.A.  
*Field of Specialization: Education*
- Russell Paul Lecklider, Jr., Brunswick, Ga.  
B.A.  
*Field of Specialization: Political Science*
- Yvan Maximin Ledue, Valleyfield, Que., Canada  
B.A. (Ed.Ph.) (University of Ottawa)  
*Field of Specialization: Physical Education*
- Robert Earl Lloyd, Dunbar, Pa.  
B.S. in Ed. (California State College, Pennsylvania)  
*Field of Specialization: Geography*
- John David Looman, Beardstown, Ill.  
B.S. in Edu. (Western Illinois University)  
*Field of Specialization: Geography*
- William Reinhardt Lucht, Jr., Columbus  
B.A. (Capital University); B.D. (Evangelical Lutheran Seminary)  
*Field of Specialization: Speech*
- James Frank Lummanick, Columbus  
B.A. in Jour.  
*Field of Specialization: Journalism*
- Susan Byers Lummanick, Columbus  
B.A., B.S. in Edu.  
*Field of Specialization: Education*
- John Patrick Lunn, Elmwood Park, Ill.  
B.S. (Loyola University)  
*Field of Specialization: English*
- Patricia Feulner Lyons, Columbus  
B.A. (Fordham University)  
*Field of Specialization: Sociology*
- David Ronald MacDonald, Columbus  
A.B. (Ohio University)  
*Field of Specialization: English*
- James Edwin Mahaffey, Columbus  
B.S. (Concord College)  
*Field of Specialization: Education*
- Dorothy Markiewicz, Shaker Heights  
B.A.  
*Field of Specialization: Psychology*
- Judith O'Hara Marsh, Worthington  
B.A.  
*Field of Specialization: Sociology*
- Caroline Wheeler Marvin, Potomac, Md.  
A.B. (Monmouth College)  
*Field of Specialization: Psychology*
- Susan Carol Mattingly, Baltimore, Md.  
B.A. (Towson State College)  
*Field of Specialization: Speech*
- Victoria Skidmore Mattis, Cincinnati  
B.A.  
*Field of Specialization: Psychology*
- Anne Mary McDonie, Newton Falls  
A.B. (Ohio University)  
*Field of Specialization: German*
- Alice Jane McLaughlin, Worthington  
B.F.A.  
*Field of Specialization: Art*
- Judith Todd McNeely, Whippany, N. J.  
B.A. (Otterbein College)  
*Field of Specialization: Romance Languages*
- Nancy Norris Meermans, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*
- Ilse Johanna Petersen Meyer, Delaware  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: German*
- John William Miller, Grand Junction, Colo.  
B.A. (Colorado State University)  
*Field of Specialization: History*
- Carol Rhoades Minnich, Piqua  
B.A.  
*Field of Specialization: Speech*
- Robert Eugene Mitchell, Omaha, Nebr.  
B.A. (Creighton University)  
*Field of Specialization: Psychology*
- William Chalmers Nickell, North Canton  
B.S. in Edu.  
*Field of Specialization: Education*
- Pamela Stewart Norris, Marion  
A.B. (Hillsdale College)  
*Field of Specialization: Education*
- Reginald Dennis Olson, Columbus  
B.A.; B.D. (Garrett Theological Seminary)  
*Field of Specialization: Sociology*
- Thornton Arthur Perry, Lima  
B.A.  
*Field of Specialization: History*
- Michael Anthon Petersen, Ferron, Utah  
A.B. (University of California)  
*Field of Specialization: Political Science*
- Carol Lynn Porcello, Lyndhurst  
B.A. (Baldwin-Wallace College)  
*Field of Specialization: Sociology*
- Paul Richard Ring, Woodsfield  
B.S. in Edu.  
*Field of Specialization: Education*
- Cynthia Shore Robins, Columbus  
B.A.  
*Field of Specialization: Theatre*
- Roberta Daulton Rollins, Delaware  
B.S. in Edu.  
*Field of Specialization: Education*
- Carol Lillian Roseman, Queens Village, N. Y.  
B.A. (State University of New York at Stony Brook)  
*Field of Specialization: Speech*
- Betty Mae Rosen, Elmont, N. Y.  
B.S. (State University College of New York at Cortland)  
*Field of Specialization: Education*

- Sara Jane Rowland, Lake Forest, Ill.  
B.S. in Edu.  
*Field of Specialization:* Education
- Sharon Kay Ruhly, Kettering  
B.A. (Otterbein College)  
*Field of Specialization:* Speech
- James Walter Ryder, Columbus  
B.A.  
*Field of Specialization:* Anthropology
- Gary Janton Seckel, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- Mary Lea Shaffer, Columbus  
B.A. (Pennsylvania State University)  
*Field of Specialization:* Education
- Deanna Marks Slater, Columbus  
A.B. (Heidelberg College)  
*Field of Specialization:* Education
- Gerald Paul Smeyak, Columbus  
B.F.A. (Ohio University)  
*Field of Specialization:* Speech
- John Keith Snodgrass, Cadiz  
B.A.  
*Field of Specialization:* Political Science
- Gordon Philip Spice, Columbus  
B.B.A. (University of Toledo); B.A.  
*Field of Specialization:* Music
- Herbert Roth Spiers, Columbus  
B.A.  
*Field of Specialization:* Political Science
- Anna Lee Spiro, Portsmouth  
A.B. (Barnard College)  
*Field of Specialization:* Art
- Karon Lue Stokes, Metropolis, Ill.  
A.B. (Asbury College)  
*Field of Specialization:* Education
- Pravin Devraj Suchak, Zanzibar, Tanzania  
B.A. (State University College of New York, Buffalo)  
*Field of Specialization:* Education
- Agnes Lewis Swetnam, Columbus  
A.B. (Smith College)  
*Field of Specialization:* Art
- Erwin Bernard Teuber, Columbus  
B.A. (Saint Cloud State College)  
*Field of Specialization:* Sociology
- Margareth Gresser Teuber, Paynesville, Minn.  
B.A. (Saint Cloud State College)  
*Field of Specialization:* Sociology
- Cathryn Larson Thompson, Columbus  
B.S. in Ed. (University of Kansas)  
*Field of Specialization:* Education
- Irene Koestel Trachevski, Dublin  
B.S. in Edu.  
*Field of Specialization:* Slavic Languages
- David Samuel Tuber, Mansfield  
B.S.  
*Field of Specialization:* Psychology
- Carol Ann Vanatta, Columbus  
B.A. (Capital University)  
*Field of Specialization:* Romance Languages
- Karel Ann Van Horn, Beech Grove, Ind.  
B.A. (Purdue University)  
*Field of Specialization:* Romance Languages
- William John Vorlicky, Bedford  
B.S. in Edu.  
*Field of Specialization:* Education
- Arden Eugene Walker, Mt. Gilead  
B.S. in Edu.  
*Field of Specialization:* Education
- Michael Brock Walsh, Poughkeepsie, N. Y.  
B.S. (Union University)  
*Field of Specialization:* Education
- Sanford M. Weinberg, Chico, Calif.  
A.B. (San Jose State College)  
*Field of Specialization:* Romance Languages
- Jean Anne Wilcox, Fairview Park  
B.S. in Edu.  
*Field of Specialization:* Education
- Richard Darby Williams, Jr., Mansfield  
B.A.  
*Field of Specialization:* English
- Diane Kriesman Woodgeard, Lancaster  
B.S.Ed. (Ohio Univeristy)  
*Field of Specialization:* Physical Education
- Master of Business Administration**  
Thirty candidates
- Stephen Bernard Berger, Springfield  
B.S.B.A. (Wittenberg University)  
*Field of Specialization:* Business Organization
- William Michael Brady, Columbus  
A.B. (Ohio University)  
*Field of Specialization:* Business Organization
- Thomas Eugene Brazier, Fairborn  
B.S. (University of Arizona)  
*Field of Specialization:* Business Organization
- Vernon Harlan Broomall, Jr., Salem  
B.A.A.E.  
*Field of Specialization:* Business Organization
- Michael Francis Buck, Columbus  
B.A.  
*Field of Specialization:* Business Organization
- James Nathaniel Calliccoat, Dayton  
B.S. (Bus.) (University of Colorado)  
*Field of Specialization:* Business Organization
- James Roger Clark, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- William Edward Clinger, Jr., Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- Stephen Francis DiLauro, Akron  
B.S.B.A. (University of Akron)  
*Field of Specialization:* Business Organization
- Ronald Michael Dolinger, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- Neil Anthony Franchino, Basking Ridge, N. J.  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- David Lee Goldenberg, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- Bruce Ray Hathaway, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization:* Business Organization
- Orlando Martin Holland, Kettering  
B. of C.E. (Auburn University)  
*Field of Specialization:* Business Organization

Richard Eugene Hunter, Jr., Ashland  
B.S. in B.A. (Ashland College)  
*Field of Specialization*: Business  
Organization

William James Joyce, Columbus  
A.B. (Saint Benedict's College);  
LL.B. (University of Tulsa)  
*Field of Specialization*: Business  
Organization

Lawrence Richard Kitchell,  
Lockbourne AFB  
B.B.A. (University of Oklahoma)  
*Field of Specialization*: Business  
Organization

George Edward LaVance, Jr.,  
Bloomington, Ind.  
B.S. in Bus. (Indiana University)  
*Field of Specialization*: Business  
Organization

Harold Lee Levin, Baltimore, Md.  
B.S. in Bus. Adm.  
*Field of Specialization*: Business  
Organization

Ronald Robert Matasich, Proctorville  
B.S. in Bus. Adm.  
*Field of Specialization*: Business  
Organization

Molly Grove McKnight, Columbus  
B.A.  
*Field of Specialization*: Business  
Organization

Brian Keith Meginnis, Columbus  
B.S. in Bus. Adm.  
*Field of Specialization*: Business  
Organization

Wesley Charles Meinerting, Canton  
B.S. in Bus. Adm.  
*Field of Specialization*: Business  
Organization

Gary Marshall Miller, Deshler  
B.S. in B.A. (Bowling Green State  
University)  
*Field of Specialization*: Business  
Organization

Gerald Burke Newman, Wooster  
B.S. in Bus. Adm.  
*Field of Specialization*: Business  
Organization

Robert Stephen Soley, Lorain  
B.S.  
*Field of Specialization*: Business  
Organization

Philip Brooks Starr, Troy  
B.B.A. (University of Cincinnati)  
*Field of Specialization*: Business  
Organization

Alan William Tipka, Newark  
B.A.  
*Field of Specialization*: Business  
Organization

John Crosby Williams, Jr.,  
Pittsburgh, Pa.  
B.S.I.M. (Purdue University)  
*Field of Specialization*: Business  
Organization

David James Zurawski, Columbus  
B.S. (Syracuse University)  
*Field of Specialization*: Business  
Organization

#### **Master of City Planning**

One candidate

Arnold Michael Berke, Elyria  
B.S. in Bus. Adm.  
*Field of Specialization*: City and  
Regional Planning

#### **Master of Fine Arts**

Three candidates

Virginia Stein Marsh, Omaha, Nebr.  
B.A. (DePauw University)  
*Field of Specialization*: Fine Arts  
(Ceramics)

Richard Allan Summers, Columbus  
B.A.  
*Field of Specialization*: Fine Arts  
(Graphics)

Maurice Vance, Columbus  
B.S. (Illinois State University)  
*Field of Specialization*: Fine Arts  
(Graphics)

#### **Master of Music**

Two candidates

Sun Ok Hong, Chun-Puk, Korea  
B.A. (Ewha Womans University)  
*Field of Specialization*: Music

Deanna Marie Robertson, Malvern  
B.S. in Edu.  
*Field of Specialization*: Music

#### **Master of Science**

One hundred and five candidates

Gabriele Ruth Abraham,  
San Francisco, Calif.  
B.S. (University of California)  
*Field of Specialization*: Pathology

Pradeep Kumar Agrawal,  
Meerut, India  
B.Sc. (Agra University); B.Tech.  
(Indian Institute of Technology)  
*Field of Specialization*: Electrical  
Engineering

Sabah Naji Al-Abbassy,  
Baghdad, Iraq  
B.V.M. (University of Baghdad)  
*Field of Specialization*: Veterinary  
Parasitology

Mazen Yacoub Anastas,  
Baghdad, Iraq  
B.Sc. (University of Baghdad)  
*Field of Specialization*: Chemical  
Engineering

Carolyn Cooper Anderson, Columbus  
B.S. in Med. Tech.  
*Field of Specialization*: Pathology

Robert Alan Andrea, Rochester, N. Y.  
B.S. in H.E. (Saint Louis University)  
*Field of Specialization*: Aeronautical  
and Astronautical Engineering

Do Sun Bai, Seoul, Korea  
B.Sc. Engin., B.S. Com. (Seoul  
National University)  
*Field of Specialization*: Mathematics

Dinesh Bajaj, Delhi, India  
B.Tech. (Indian Institute of  
Technology)  
*Field of Specialization*: Electrical  
Engineering

Wayne Earnest Ballantyne, Columbus  
B.Ch.E.  
*Field of Specialization*: Chemical  
Engineering

Ronald Justice Beaton,  
Parkersburg, W. Va.  
B.S. (Marietta College)  
*Field of Specialization*: Chemistry

John Henry Becher, Louisville, Ky.  
B.Ch.E.  
*Field of Specialization*: Chemical  
Engineering

Linda Joyce Burgess Bethel, Columbus  
B.S. in H.E.  
*Field of Specialization*: Preventive  
Medicine



- Reinhold Betsch, Mansfield  
B.M.E.  
*Field of Specialization: Mechanical Engineering*
- Hugh Elias Black,  
Neustadt, Ont., Canada  
D.V.M. (Ontario Veterinary College)  
*Field of Specialization: Veterinary Pathology*
- Sister Mary Alice Bowler, Columbus  
B.S. (Saint Mary's College, Indiana)  
*Field of Specialization: Pathology*
- Karen Lenore Brooke, Toledo  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- William Frederick Burger, Jr.,  
Sandusky  
B.A. (Carleton College)  
*Field of Specialization: Mathematics*
- Joseph Mario Cannella,  
Watertown, N. Y.  
M.D. (Queen's University, Canada)  
*Field of Specialization: Preventive Medicine*
- Alfred Tat-Hang Chan, Hong Kong  
B.S. (Oregon State University)  
*Field of Specialization: Civil Engineering*
- Donald Edgar Clark,  
Glen Ferris, W. Va.  
B.S. in E.E. (West Virginia Institute of Technology)  
*Field of Specialization: Electrical Engineering*
- \*\*Judith Ann Coen, Willingboro, N. J.  
*Field of Specialization: Animal Science*
- John Michael Csokmay, Warren  
B.M.E.  
*Field of Specialization: Mechanical Engineering*
- Judie Kay Dalson, Findlay  
B.S. Nursing (Duke University)  
*Field of Specialization: Nursing*
- Michael John D'Amore, Nutley, N. J.  
B.S. (Saint Peter's College)  
*Field of Specialization: Computer and Information Science*
- Leighton Ira Davis, Jr.,  
Northridge, Calif.  
A.B. (Princeton University)  
*Field of Specialization: Electrical Engineering*
- Cathy Lee Dunlap, Columbus  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- Patricia Martin Elliott, Columbus  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: Computer and Information Science*
- David Bruce Enabnit, Akron  
B.S.  
*Field of Specialization: Physics*
- Roger Charles Fagan,  
Lawrenceville, N. J.  
B.S.E. (Princeton University)  
*Field of Specialization: Nuclear Engineering*
- Karen Margaret Fiedler,  
North Ridgeville  
B.S. (Baldwin-Wallace College)  
*Field of Specialization: Home Economics*
- Lynn Marie Fisher, Massillon  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- Paul Richard Fournier, Stirling, N. J.  
B.S. in Phys.  
*Field of Specialization: Electrical Engineering*
- Robert Jay Furman, Columbus  
B.S. (Hobart College)  
*Field of Specialization: Mathematics*
- Donald Kenneth Gartman, Columbus  
B.A.  
*Field of Specialization: Zoology*
- Bonnie Jean Rhoades Garvin,  
Columbus  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- Helen Horner Genco, Massillon  
B.S. in Nurs.  
*Field of Specialization: Nursing*
- Judy Ricketts Godwin, Columbus  
B.A. (University of Kansas)  
*Field of Specialization: Medical Microbiology*
- Carolyn Ann Gray, Carbondale, Ill.  
B.S. (Southern Illinois University)  
*Field of Specialization: Home Economics*
- \*Thomas Sergei Guins, Bucyrus  
*Field of Specialization: Industrial Engineering*
- Henry Walter Hansen, Jr.,  
Staten Island, N. Y.  
A.B. (University of Rochester)  
*Field of Specialization: Mathematics*
- Robert Earl Henderson, Dayton  
B.S. in M.E. (University of Missouri)  
*Field of Specialization: Mechanical Engineering*
- Donald Kirk Henrie, Orem, Utah  
B.E.E. (Brigham Young University)  
*Field of Specialization: Engineering Mechanics*
- Richard Lee Hill, Hamilton  
B.S.  
*Field of Specialization: Geology*
- James Gabriel Hnat,  
West Hazleton, Pa.  
B.S. Engr. Sci. (United States Air Force Academy)  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- \*\*Jack Emerson Hoffman,  
Morenci, Mich.  
*Field of Specialization: Agronomy*
- Terrence Charles Holton,  
Hodgkins, Ill.  
B.S. (University of Illinois)  
*Field of Specialization: Chemistry*
- Smith Eugene Howland,  
Franklin Furnace  
B.Ch.E.  
*Field of Specialization: Chemical Engineering*
- George Philip Joseph, Jr., Columbus  
B.A.A.E.  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- David Robert Kaplan,  
Rochester, N. Y.  
B.S. (Rensselaer Polytechnic Institute)  
*Field of Specialization: Physics*

\* Also Bachelor of Industrial Engineering,  
College of Engineering  
\*\* Also Bachelor of Science in Agriculture,  
College of Agriculture and Home Economics

John Charles Kaufmann, Steubenville  
B.S.  
*Field of Specialization: Chemistry*

\*Thomas Alan Klausing, Leipsic  
*Field of Specialization: Mechanical Engineering*

Gary James Kociba,  
Harbor Beach, Mich.  
B.S., D.V.M. (Michigan State University)  
*Field of Specialization: Veterinary Pathology*

Stephen Wayne Kress, Columbus  
B.S.  
*Field of Specialization: Natural Resources*

Woodrow Boothe Krueger, Newark  
B.S.  
*Field of Specialization: Microbiology*

Edward Dale Lafontaine, Carey  
B.S. in Agr.  
*Field of Specialization: Agricultural Economics and Rural Sociology*

Jae Chang Lee, Seoul, Korea  
B.S. in Bus.Adm.  
*Field of Specialization: Mathematics*

Velma Alice Kuhn Lindsey, Ashville  
B.S. in H.E.  
*Field of Specialization: Preventive Medicine*

Robert Dwayne Litt, Bellville  
B.Ch.E.  
*Field of Specialization: Chemical Engineering*

John Robert Long, Ellendale, N. D.  
B.S. (North Dakota State University)  
*Field of Specialization: Animal Science*

Henry James Lorenzetti, Dayton  
B.S. in Engin. (George Washington University)  
*Field of Specialization: Electrical Engineering*

Gerald Eugene Lowther, Lancaster  
B.S. in Opt., O.D.  
*Field of Specialization: Optometry (Physiological Optics)*

William Charles Lubawy,  
South Bend, Ind.  
B.S. (Butler University)  
*Field of Specialization: Pharmacy*

Leslie Eugene Mace, Van Wert  
B.E.E.  
*Field of Specialization: Electrical Engineering*

Michael David Marine, Zanesfield  
B.S.  
*Field of Specialization: Chemistry*

Barbara Jean Marshall,  
Livingston, Ky.  
B.S.Med.Tech. (Cumberland College)  
*Field of Specialization: Pathology*

Donald Jacob Mauthe, Dayton  
D.D.S. (Marquette University)  
*Field of Specialization: Dentistry*

Steven Kent Miles, Columbus  
B.S. (Ohio University)  
*Field of Specialization: Medical Microbiology*

William Miller, Bryan  
B.S. in Phar.  
*Field of Specialization: Pharmacy*

Edilberto Mogollon-Fernandez,  
Callao, Peru  
B.Ing.Ind. (National University of Engineering, Peru)  
*Field of Specialization: Chemical Engineering*

Luis Eduardo Montero,  
Bogota, Colombia  
Ing.Agronomo (Universidad Nacional de Colombia)

*Field of Specialization: Agricultural Economics and Rural Sociology*

James Flynn Neuenschwander, Lima  
B.C.E.  
*Field of Specialization: Civil Engineering*

\*\*Daniel Allan O'Brien, Zanesville  
*Field of Specialization: Ceramic Engineering*

Robert Lee Petty, El Cajon, Calif.  
B.S. (San Diego State College)  
*Field of Specialization: Chemistry*

Geoffrey Allan Prentice, Cleveland  
B.Ch.E.  
*Field of Specialization: Chemical Engineering*

John David Rawn, Columbus  
B.S. (Capital University)  
*Field of Specialization: Chemistry*

John LaVerne Regner, Columbus  
B.S. in Phys.  
*Field of Specialization: Physics*

Fred Thomas Richter, Cincinnati  
B.S.  
*Field of Specialization: Entomology*

Ramez Hanna Sadaka,  
Beirut, Lebanon  
B.Sc.Agr. (American University of Beirut)  
*Field of Specialization: Agricultural Economics and Rural Sociology*

Ussamah Salaam, Beirut, Lebanon  
B.Sc. (Loughborough University of Technology, England)  
*Field of Specialization: Civil Engineering*

\*\*\*John Edward Shea, Columbus  
*Field of Specialization: Electrical Engineering*

Eleanor Louise Shein,  
Louisville, Ky.  
B.A. (Miami University)  
*Field of Specialization: Pathology*

Donna Jean Sheppard, East Liverpool  
B.S. in Educ. (Kent State University)  
*Field of Specialization: Home Economics*

Sooe-Muh Shioh, Taipei, Taiwan  
B.S., M.S. (National Taiwan University)  
*Field of Specialization: Civil Engineering*

Robert Turner Shipp, Fairborn  
B.S. in C.E. (Duke University)  
*Field of Specialization: Civil Engineering*

Festus Ibeawuchi Soribe,  
Owerri, Nigeria  
B.S.Agr.Engr. (California State Polytechnic College)  
*Field of Specialization: Agricultural Engineering*

†Dale Lee Stimpert, Ashland  
*Field of Specialization: Aeronautical and Astronautical Engineering*

Linda Carol Styer, Annandale, Va.  
B.S. (George Washington University)  
*Field of Specialization: Botany*

††Howard Dalton Swingle, Philo  
*Field of Specialization: Nuclear Engineering*

Jerry Dean Thomas, Sandusky  
B.Met.E.  
*Field of Specialization: Metallurgical Engineering*

Arlene Thompson, Pittsburgh, Pa.  
B.S. in Nurs.  
*Field of Specialization: Nursing*

James Lee Throckmorton, Chillicothe  
B.S.  
*Field of Specialization: Computer and Information Science*

\* Also Bachelor of Mechanical Engineering,  
College of Engineering

\*\* Also Bachelor of Ceramic Engineering,  
College of Engineering

\*\*\* Also Bachelor of Electrical Engineering,  
College of Engineering

† Also Bachelor of Aeronautical and  
Astronautical Engineering, College  
of Engineering

†† Also Bachelor of Mechanical Engineering,  
College of Engineering

Lucille Lombardi Travis, Lyndhurst  
B.S. in Nurs.  
*Field of Specialization*: Nursing

Russell Lee Trimble,  
Santa Maria, Calif.  
B.S. (Rochester Institute of  
Technology)  
*Field of Specialization*: Electrical  
Engineering

Kathryn Wolter Tull, Columbus  
B.S. (University of Illinois);  
B.E. (National College of Education)  
*Field of Specialization*: Home  
Economics

William Kent Van Tyle,  
Monticello, Ind.  
B.S. (Butler University)  
*Field of Specialization*: Pharmacy

Ronald James Vojir, Cleveland  
B.I.E.  
*Field of Specialization*: Industrial  
Engineering

Richard Edward Wagner, Navarre  
B.M.E.  
*Field of Specialization*: Mechanical  
Engineering

Carol Walker, Murray, Utah  
B.A. (University of Utah)  
*Field of Specialization*: Physics

Leon Paul Wateska, Pittsburgh, Pa.  
B.S. (Duquesne University)  
*Field of Specialization*: Pharmacy

\*Robert Bernard Wensink,  
Monroeville  
*Field of Specialization*: Agricultural  
Engineering

Henry George Wetzler, Jr.,  
Hinsdale, Ill.  
A.B. (Cornell University);  
M.A. (Rutgers—The State University)  
*Field of Specialization*: Mathematics

Veronica Joyce Wyrwas,  
Conshohocken, Pa.  
B.E.E. (Villanova University)  
*Field of Specialization*: Electrical  
Engineering

Allan Ken Yoshimura, Columbus  
B.S. in Engr.Sci. (Purdue University)  
*Field of Specialization*: Industrial  
Engineering

Youssef Nashed Youssef,  
Giza, United Arab Republic  
B.Sc. (Cairo University)  
*Field of Specialization*: Civil  
Engineering

Antonio Zamora, Columbus  
B.S. in Chem. (University of Texas)  
*Field of Specialization*: Computer and  
Information Science

**Master of Science in  
Public Administration**

One candidate

Ronald Charles Jeffries, Brecksville  
B.A. (Miami University)  
*Field of Specialization*: Political  
Science

\* Also Bachelor of Agricultural Engineering,  
College of Engineering

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Paul G. Craig  
Dean for Undergraduate Programs: Lawrence J. R. Hersen

The Colleges of the Arts and Sciences, a federation of five colleges, includes:

### College of The Arts

Dean: Lee Rigsby

### College of Biological Sciences

Dean: Richard Bohning

### College of Humanities

Dean: Charles L. Babcock

### College of Mathematics and Physical Sciences

Dean: Geoffrey Keller

### College of Social and Behavioral Sciences

Dean: Paul G. Craig

### Bachelor of Arts

One hundred and eighty-six candidates

Mercedes Abel, Ironton  
Jerold David Abrams, Cleveland  
Jane Kirk Ackley, Columbus  
James Wellman Adams, Ashland, Ky.  
John Irvin Andrix, London  
Janet Dorothy Baksa,  
Scotch Plains, N. J.  
Richard Francis Barrett, Columbus  
Arthur Geoffrey Barron, Beachwood  
Paula Margaret Bauer, Solon  
Linda Sue Becker, Wapakoneta  
Terry Leigh Bell, South Euclid  
Renee Frances Bennett, Dayton  
John Ray Best, Newcomerstown  
Paul Robert-James Bettinger,  
Columbus  
William Arthur Biegler, Columbus  
John Joseph Bilchak, Jr., Toronto  
Gregory Francis Blanch, Stow  
Eugene Robert Boerger, Plain City  
Gerald Dale Borchert, Cleveland  
Gerald Wayne Borin, Cincinnati  
James Ray Brady, New Matamoras  
William Carl Brandal, Willard  
Carolyn Brewer, Cleveland  
Ronald Wayne Brown, Columbus  
Eddie Randal Browning, Pataskala  
Helen Louise Buddie, Youngstown  
David Charles Butler, Cleveland  
William Adams Byers, Bellville  
Carol Lynn Byrnes, New Albany  
William Patrick Byrnes, Chicago, Ill.  
Nancy Turner Caldwell, Worthington  
Gary Donaldson Cannon, Columbus

Thomas Keng Wo Chau,  
Chicago Heights, Ill.  
Gail Dagger Coates, Lancaster  
Ralph Raymond Colleti, Jr., Columbus  
Stephen Craig Conrad, Columbus  
Dwight Lee Corum, Mansfield  
Bernard Lee Craig, Newcomerstown  
Stephen Jerome Cull, Columbus  
Rebecca Jo Dart, Ashley  
Robert Lester Dayson, Medina  
Nancy Glyn DeLong, Columbus  
Constance Dena Demis, Navarre  
Dennis Alan Denner, Columbus  
Ronald Lynn Dickenson, Utica  
Susan McCamant Dlesk, Mansfield  
John Joseph Doherty, Columbus  
Leonard David Downey, Lima  
Bernadette Jennings Dudley, Akron  
Paul Joseph Duffy, Columbus  
Fred Jerold Dumas, Columbus  
Arlon Lee Earhart, Newark  
Cheryl Lynne Early, Columbus  
Herman Henry Echols, Jr., Massillon  
Samuel David Eisen, Cincinnati  
Mary Elaine Evans, Mansfield  
Eileen Lee Ewing, Wadsworth  
David Barry Ferriman, Enon  
Jerry William Fisher, Akron  
Mark Simon Fisher,  
New Rochelle, N. Y.  
Robert William Flanagan,  
Hicksville, N. Y.  
Jeffrey Howard Flintoft,  
Chelsea, Mich.  
Maryanne Josephine Fragomen,  
Canton  
Jerry Roger Frase, Barberton  
Richard Patrick Gaffey, Columbus  
Philip Bowen Gage, Celina  
Judith Kay Games, Seaman  
Eileen Brenda Garber,  
Warner Robins, Ga.  
Jerry Stanley Gerard, Columbus  
Nelson Lee Gordon, South Euclid  
Stephen Allen Green, Fayette  
Ahmad Dermawan Habir,  
Djakarta, Indonesia  
Linda Lee Hall, Columbus  
Merrikay Shope Hall, Troy  
James Ellsworth Harpster, Burgoon  
David Lee Harris, Columbus  
John Wilder Harris, Cincinnati  
James Loy Hazelbaker, Ironton  
Howard David Heath,  
Delhi, Ont., Canada  
Robert George Herak, Solon  
Lee Richard Herterich,  
Wellesley, Mass.  
\*Norma Jean Herz, Dover

Candice Irene Hill, Lisbon  
Donald Wade Hill, West Farmington  
James Lambert Hilmer, Chicago, Ill.  
Robert Mark Hook, Plymouth  
Richard Carl Hoop, Coshocton  
Eugene Bradford Humrighouse, Jr.,  
Gahanna  
Steven Eugene Hurt, Chillicothe  
Mary Louise Hutson, Columbus  
Edward Norman Jacobs, Portsmouth  
Theresa Kay Jelley, Columbus  
Lorraine Elizabeth Jensen, Rittman  
Richard Edward Jeremiah,  
Dunedin, Fla.  
Monte Lynn Johnson, Port Clinton  
Janis Champion Judson, Columbus  
Jeffrey Raymond Kapela, Cleveland  
Linda Robinson Kappeler, Dover  
Alan Robert Kazan, Lyndhurst  
Leslee Ann Kelley, Uhrichsville  
Martina May Kenney, Columbus  
Raymond Scott King, Old Lyme, Conn.  
Eileen Barbara Kirby, Bayonne, N. J.  
David Lee Knapp, Cambridge  
Nancy Mae Kroll, Katonah, N. Y.  
James Joseph Kurrent, Euclid  
Dwight Thomas Landis, Galena  
Malcolm Nicholson Landis, Columbus  
Donna Alvarado Lane,  
Alexandria, Va.  
Gary Duane Leatherman,  
New Philadelphia  
Sidney Gerald Lee, Columbus  
James Richard Leff, Millburn, N. J.  
Pamela Steffens Lewis, Salisbury, Md.  
Thomas Edward Lutz, Columbus  
Larry Eugene Lynch, Van Wert  
Glen Stephen Marhefka, Parma  
Vincent Anthony Marion, Youngstown  
Douglas Gerry Martin, North Canton  
Wayne McDowell, Mansfield  
Thomas Clark McLarnan, Mt. Vernon  
Norman Bruce Mendelson, Cleveland  
Daniel Raymond Miller, Reynoldsburg  
Stephen Frank Milton,  
Huntington, W. Va.  
Henry Jeffrey Misko, Columbus  
Sharon Lee Monaghan, Columbus  
Carol Zebal Moore, Columbus  
Michael Frank Moran, Westerville  
David Frederick Mueller, Cleveland  
Thomas Owen Mustrie, Worthington  
Robert Dennis Naderhoff, Columbus  
David Curtis Nickol, Cincinnati  
Chad Alan Norcross, Berea  
Ronald Michael Ongaro, Columbus  
William Francis Parnell, Grove City

\* Also Bachelor of Science in Education,  
College of Education

Judith Eisenmann Payne, Gratiot  
Anastasia Clarke Philip,  
Port of Spain, Trinidad  
Dwight Darrell Pierce,  
Canal Winchester

Robert Mead Pierce, Vermilion  
Irene Sylvia Prassinis, Youngstown  
Patrick Warren Prindle, Wakeman  
Mary Ann Rank, Zanesville  
Nancy Marie Reeder, Massillon  
Linda Dupler Remmert, Mt. Perry  
Kenneth Charles Risdon, Vermilion  
Ernest Owen Saasto, Brooklyn, N. Y.  
Lewis William St. John, II, Dayton  
Barbara Kay Salvatore, Columbus  
Robert Allan Sanders, Cincinnati  
Richard Alan Schmidt, Parma  
Thomas Bernard Schroot, Cincinnati  
John Richard Schuster, Columbus  
David Alan Seeger, Columbus  
Carl Francis Sever, Delphos  
Robert Neil Shaffer, Columbus  
Richard Eugene Sherer, Hilliard  
Charles Curtis Shirley, Jr., Columbus  
Patrick Lee Singer,

Pass Christian, Miss.  
John Bruce Sommer, Seven Hills  
Calvin Clinton Sowell, Jr., Columbus  
Susan Elizabeth Spangler, Columbus  
Gregory Ryan Stafford, Akron  
Robert Leslie Stanford, Canton  
George Gordon Stein, III,  
Worthington

John Brummitt Stephens, Oberlin  
Michael Louis Steve, Smithfield, Pa.  
Karen Elizabeth Swisher, Columbus  
Mary Sydir, Cleveland  
Jane Olive Teeters, Canton  
John Lyle Thompson, Medina, N. Y.  
William Francis Thompson, Columbus  
Stephen Vincent Torsell, Springfield  
Thomas Clifton Umbel, Parma  
Laura Jean Wallencheck, Columbus  
James Nash Walters, III, Centerville  
Robert Woodford Warner, II,  
Wadsworth

Judith Kinsey Wauford, Worthington  
Gerald Wayne Weinberg,  
University Heights

Jeffrey Weingarten, Cleveland  
Aaron Stewart Weinstein,  
Flushing, N. Y.

William Hamilton Wellbaum, Lima  
John Lee Whitmer, Columbus  
Ernest Paul Willgren, Fairview Park  
David Phillips Williams,  
Newtown, Pa.  
Gwendolyn Fetterman Wilson,  
Lyndhurst

Charles Eugene Worth, Dayton  
Jacqueline Maureen Yacher, Leetonia

## Bachelor of Science

One hundred and two candidates

Edwin DeJesus Arocho, Youngstown  
Milton Richard Austin, Columbus  
Lewis Steven Balog, Brecksville  
Alan Stuart Bardwell, Akron  
Dale Thomas Battles, Chesterland  
Wilbert Martin Bell, Westerville  
James William Bentz, Coshocton  
John Clement Billotte, Mansfield  
Gordon Michael Bisdorf, Marion  
James Kirk Bissell, Austintburg  
Timothy Stewart Brady, Lyndhurst  
Craig Robert Brown, Newark  
Thomas Charlton, Jr., Lima  
John Gregory Comparato, Warren  
Thomas Allen Darby, Vermilion  
William Thomas Del Prete,  
Franklin Square, N. Y.

David Alan Dietrich, Napoleon  
Dale Edward Donaldson, Sylvania  
Dinah Maria Duecaster, Poland  
Riley Merton Edwards, Bay Village  
Henry Stephen Eilts, Reynoldsburg  
Harry Herbert Evans, Jr., Obetz  
Randall Keith Evans, Ripley  
Donald Eugene Feaster, Urbancrest  
Neal Bradley Forbes, Mentor  
Dennis Eugene Forrest, Mansfield  
Robert Raleigh Geiger, Minster  
David Philip Goodwin, Pomeroy  
Paul Alva Green, Newark  
Gordon Walter Halliday, Wilmington  
Gary Ernest Hawke, Columbia Station  
David Andrew Henderson,

Independence  
William Randolph Henkle, Jr.,  
Gahanna  
John Wesley Higgins, Jr., Columbus  
Paul Glen Hines, Fredericktown  
Todd Lloyd Hoover, Warren  
Carl Frank Hoyng, Coldwater  
Mary Ann Huldum, Scarsdale, N. Y.  
Bruce David Hulman, Dayton  
Mildred Arleen Ishida, Marion  
Stephen Albert James, Columbus  
Edmund Taylor Kennedy, Dayton  
Patrick Aloysius Kennedy, Findlay  
Keith Allen Kidner, Columbus  
John Walter Kohl, Brecksville  
Lewis Marvin Kornhauser,  
Linden, N. J.

Vincent John LaConte, Norwalk  
Mary Margaret Lambert, Rome  
Stevan Dennis Layton, Beachwood  
Armando Emilio Lazzari,  
Caracas, Venezuela  
Jerome A. Lemire, Pierpont  
Earl Lee Leonard, Columbus  
David Edward Lichy, Gibsonia, Pa.  
Jan Luton, Houston, Tex.  
Jack Jerome Lyon, II, Montvale, N. J.  
John Paul Mathews, Cincinnati  
William Richard Maxwell, Columbus  
James McCorkle, Painesville  
Stanley Floyd Miller, Columbus  
Michael Brown Morgan, Newark  
Stephen Alan Morrison, Cleveland  
Edward George Mullis, Newark  
John Archer Noyes, Cincinnati  
Lawrence John O'Neill, III, Columbus  
Roger Gene Parrot, Wilmot  
Barbara Jo Patrick, Centerburg  
Robert Evander Pepple, Columbus  
Parker Edward Phillips, Lakewood  
William Jefferson Pinnick, Wooster  
James Andrew Rader, Columbus  
Jerome Gallagher Rhoads, Cincinnati  
Harry Edward Robb, Columbus  
Kenneth Edward Roberts, Salineville  
Christiaan Ysbrand Scheeres,  
Hamilton  
William Knight Schmidt, Columbus  
B.A.  
Charles Henry Schwartz, Sylvania  
Robert George Sekerak, Cleveland  
Howard Neal Shapiro,  
Cleveland Heights  
Richard Leroy Sheely, Chillicothe  
David William Sheets, Galloway  
Stephen Wood Singley, Middletown  
Conrad Glenn Page Smith,  
Amherst, Mass.  
Patrick Alan Smith, Troy  
John Anthony Sokol, Youngstown  
Ned Alan Stombaugh, Bryan  
Edward Joseph Sujdak, Jr.,  
Wyandotte, Mich.  
Frank Joseph Svoboda, III,  
Centerville  
Patricia Elaine Szeley,  
Morristown, N. J.  
James Joseph Tankersley, Fairfield  
Harold Robert Taylor, Lockwood  
Terence David Tincher, Chardon  
Barbara Jane VanEtten, Dayton  
Timothy John Walker, Columbus  
Thomas William Watson, Parma  
Patricia Shaner Weed, Fleming  
Lynn Robert Whitacre, Blanchester

## College of The Arts

Dean: Lee Rigsby

George Earl Williams, Jr.,  
Clarksville, Tenn.  
Napoleon Stephen Wilson,  
Shaker Heights  
John Francis Wolf, Columbus  
Richard Stanley Workman, Hamilton  
Paul Grayden Wuchter, Stow  
Joseph Alton Zorich, Bridgeport

### Bachelor of Fine Arts

Twenty candidates

Christine Ausbeck, St. Louis, Mo.  
Timothy Adam Bachman, Columbus  
Darwin DeWitt Bearley, Jr.,  
Lewistown, Pa.  
Deborah Jean Bell, Columbus  
Cindy Gilda Berkow,  
Mt. Vernon, N. Y.  
Joseph Bear Biederman, II,  
Cincinnati  
Patricia Lynn Boyd, Columbus  
Virginia Kieffer Deal, Zanesville  
Francine Ruth DeBoe, Euclid  
Philip Drew DeVore, Cambridge  
Mary Jeppesen Hepburn,  
Brunswick, Me.  
Judith Eckard Kohler, Dalton  
Andrea Esther Korenvaes,  
Great Neck, N. Y.  
Jerry Lee Raidiger, Columbus  
Judith Lynn Scheckner,  
Bayside, N. Y.  
Earl Milton Sisson, Columbus  
Ronald Russell Syarto, Cleveland  
Judith Brunk Talmage, Lima  
Beth Ann Tramer, Gates Mills  
Dixie Lee Young, Columbus

## College of Social and Behavioral Sciences

Dean: Paul G. Craig

### Bachelor of Arts in Journalism

Fifteen candidates

Donald Reed Baird, Hillsboro  
Michael Dean Clark, Columbus  
Paul Thomas Clark, Columbus  
Judy Ann Coates, East Sparta  
Paul Bert Denison, Columbus  
Ronald Howard Emswiler, Columbus  
Michael David Feldman,  
Staten Island, N. Y.  
Harry Jerome Kingdom, Conneaut  
Kenneth Herbert Krause, Brunswick  
Kathleen Marie Krumm, Worthington  
Kerry Fred Lehtinen, Ashtabula  
Roger Lynn Shaffer, Columbus  
Jeffrey Eugene Smith, Columbus  
Timothy Owen Sullivan, Columbus  
Davis Stewart Wilde, Lakeville

# College of Administrative Science

Dean: James R. McCoy

## Bachelor of Science in Business Administration

One hundred and ninety-two candidates

Gary Robert Artz, Cuyahoga Falls  
Thomas Richard Atkinson,  
Barnesville  
Frederick Stanton Ball, Columbus  
David Wayne Balser, Naperville, Ill.  
Stephen Clair Barnard, Columbus  
Brent Alvin Bartels, Holgate  
Lynn Allan Bauman, Mt. Cory  
Richard Allen Benjamin, Columbus  
James Fred Bennett, Dayton  
Leonard Joseph Blake, South Euclid  
Edward Charles Blank, Cincinnati  
Michael Lawrence Boeckman,  
Coldwater  
Marc Ed Braha, Brooklyn, N. Y.  
Edgar David Braun, Wapakoneta  
Carl Joseph Breth, Columbus  
Thomas David Browand, Wakeman  
James Cronin Brundrett, Troy  
Stephen Paul Buchholz, Dayton  
Steven George Bullett, Columbus  
John Francis Bunsey, Mansfield  
Leslie Arnold Busch, South Euclid  
Walter Thomas Buss, Willard  
Richard Glenn Callison, Columbus  
Larry Colin Campbell, Mansfield  
Joseph Alexander Capers, Adena  
Terence Lee Carpenter, Barnesville  
John Eugene Case, Rocky River  
Mannie Michael Charnas,  
Cleveland Heights  
Gerald Frederick Christeson, Hilliard  
John Richard Cipkala, Youngstown  
David Eugene Clemons, Sylvania  
Gary Roger Cochran, Danville  
John Jay Coder, Willard  
Mark Barry Cohn, University Heights  
Marion Dean Cole, Blue Creek  
Charles Ray Cook, Jr., Toledo  
Donald Arthur Cooke, Columbus  
Corydon Cates Coombs,  
Wilmington, Mass.  
Philip Harvey Cooper, Mansfield  
Stephen J. Corwin, New York, N. Y.  
Daniel Eugene Cotterman,  
Bellevue  
John William Crothers, Marysville  
Jerry Cyncynatus, University Heights  
Terry Wayne Dawson, Columbus  
Gary Curtis Dearth, Pickerington  
Richard Leonard DeCosky, Jr.,  
Lyndhurst  
Jeffrey Stuart Dengrove,  
Plainfield, N. J.

John Roger Diddle, East Liverpool  
Gerald Lee Donovan, Mogadore  
Richard Elliot Dori,  
East Paterson, N. J.  
John Elden Dunham, Milford Center  
Kenneth Henry Eschbacher, Cleveland  
Robert Louis Fabian, Parma  
John Corbett Falk, Columbus  
Marshall Ray Fenn, Tallmadge  
Mark Edward Fisher, Mansfield  
Brian Nevin Florence, Waynesville  
Randy Alan Ford, Reynoldsburg  
Diane Spencer Fulford, Columbus  
Thomas Joseph Garrity, Columbus  
Richard Ray Gary, Gates Mills  
Joseph Dennis Gates, Cleveland  
Thomas Paul Gerbasi, Parma  
Roger Leslie Golub, Pepper Pike  
Timothy Lee Gordon, Worthington  
Charles Lee Gummer, Newark  
Ronald Joseph Gunderson, Columbus  
William Clifford Haller, Coshocton  
Glenn Anthony Hammersmith,  
Norwalk  
Robert McCord Harris, Pepper Pike  
William Holmes Harrison, Massillon  
James Edward Harrold, Mentor  
Randall Parker Headley, Worthington  
Daniel John Held, Clyde  
Thomas Edward Hennigan, London  
Thomas Richard Hill, Avon Lake  
Earl Neil Hoover, Beaver  
Michael John Horgan, Columbus  
John Steven Howell, Columbus  
Richard Fredrick Huddle, Cincinnati  
Howard William Hurwitz,  
University Heights  
Thomas Jefferson Isner, Columbus  
Robert Gerald Jackson, Lima  
Mark William Johnson, Columbus  
Robbin Andrew Johnson, Fairborn  
Thomas Allan Jokiniemi, Ashtabula  
Glenn Roger Jones, Brook Park  
Edward Paul Kamer, Columbus  
Gregory Lee Karam, Cincinnati  
Michael Henry Kathrein, Mansfield  
William Dennis Katis, Youngstown  
Gerald Stuart Keller, Shaker Heights  
Edward Eugene Kimmet, Delphos  
Michael Lin Kirk, Bloomville  
James Paul Konnerth, Vermillion  
William Richard Kovacs, Painesville  
Gerald Wayne Kramb, Willard  
Charles Edward Krebs, Columbus  
Terry Edward Lane, Lakeview  
Robert Elmer Lathrop, III, Kettering  
Robert John Lazar, Cleveland  
Robert Edward Lee, Reynoldsburg

Theodore Allen Lencheski,  
South Plainfield, N. J.  
Richard Philip Lewis, Fort Lee, N. J.  
David Alan Liber, Toledo  
Theodore Joseph Maag, Kalida  
John Carl Martin, Bucyrus  
James Edward Masek, Cleveland  
John William Matthews,  
Long Beach, Calif.  
David Edward Mayle, Norwalk  
William Brownlee McKelvey, Jr.,  
Youngstown  
Julius Judson Mesteller, Columbus  
Terry Morrow Miller, Columbus  
Roger Charles Mock, Columbus  
Frank Marion Monaco, Columbus  
Dennis Robert Moore, Columbus  
Charles Robert Morgan, Columbus  
Robert Charles Morton, Valley City  
Elizabeth Farber Mosser,  
Haworth, N. J.  
Richard LeRoy Mowery, Columbus  
John Andrew Moyes, Elyria  
Robert Gene Neal, Coshocton  
David Earl Neptune, Medina  
Michael William O'Bryan, Dayton  
John Edgar Orvis, Columbus  
Charles Ernest Osborne, Jr., Waverly  
Robert Wendell Palenshus, Bucyrus  
David Youmans Palmer, Cincinnati  
Robert Charles Pampush, Lakewood  
Gary Lee Parker, Bellefontaine  
Joseph Michael Paseka, Castalia  
Michael Stephen Pfeffer, Ripley  
George Philip Pilkington, Sr.,  
Columbus  
Brian Paul Pittner, Seven Hills  
Alan Leonard Pocrass, Youngstown  
Michael James Poppa, Dayton  
Barbara Jean Porter, Mayfield Village  
Charles David Price, Chardon  
Peter Vincent Rast, Columbus  
Richard Michael Reese, Columbus  
Ted Curtis Reiff, Chagrin Falls  
Thomas Harold Reinhart,  
Cincinnati  
John David Resley, Columbus  
James Francis Ricketts, Cincinnati  
William Everett Rissler, Marion  
Dennis Marvin Roettger, Botkins  
Ronald Andrew Romito, Bedford  
Patricia Nathanson Rosenbluth,  
Beachwood  
Roy M. Rosenbluth, Shaker Heights  
Alan Barry Satterwhite, Columbus  
Ronald Terry Schieber, Bucyrus  
Donald VerWiebe Schwartz,  
Detroit, Mich.  
James Chapman Scott, Cincinnati

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

William Conway Shearer, Dayton  
 Stephen Vane Shepherd, Lima  
 Charles Gibbons Smith, Circleville  
 Ralph Everett Smith,  
   Tonawanda, N. Y.  
 Stephen Douglas Smith, Circleville  
 Steven Mark Smith, Jamestown  
 William Clay Snedegar, Columbus  
 Gary Arden Spicer, Spencerville  
 Joseph Paul Stalzer, Euclid  
 Roy Wendell Steinhoff, Galloway  
 Greg Eugene Stewart, West Jefferson  
 Leslie Joseph Szuch, Hudson  
 Stanley Tepper, South Euclid  
 Gregory Tholt, Barberton  
 Charles Edward Thomas, Loudonville  
 Ronald Paul Thomas, Euclid  
 Stuart Mark Tishkoff, Columbus  
 Larry Allen Trager, Columbus  
 William John Travis,  
   Cornwells Heights, Pa.  
 Raymond Joseph Troth, Columbus  
 David Alan Troyer, West Liberty  
 Dean Milton Urick, Casstown  
 John Philip Vorsheck, Erie, Pa.  
 Thomas Patrick Walsh, Springfield  
 Jerry Ronald Wauford, Toledo  
 Russell Alban Weidner, Columbus  
 Linda Kay Weinstein, Columbus  
 Thomas Joseph Weisenbach, Columbus  
 Roger Lee Wells, Westerville  
 Charles Stephen Wicker, London  
 Ronald Lee Williams, Lancaster  
 Carl Eugene Wise, Van Wert  
 James Dallas Wise, Canton  
 James Patrick Wisemiller, Columbus  
 Erwin Lawrence Wynocker,  
   Cincinnati  
 Lance Brian Yamasaki, Centerville  
 John Nolan Zinsmaster, Bryan  
 Winnie Trolin Zukor, Blackfoot, Idaho  
 Jerome Theodore Zurowski,  
   Broadview Heights

Patricia Andrews Fate, Youngstown  
 Linda Maxwell Harper, Columbus  
 Mary Maureen Heekin, Cincinnati  
 Paul Edward Heffernan, Reynoldsburg  
 Darlene Annetta Jackson, Troy  
 Carol Ann Korechko, Campbell  
 Harold Wellington Moody, III,  
   Worthington  
 Karen Geraldine Oleski, Euclid  
 Sue Wessels Packard, Cincinnati  
 Karen Frances Pagliarulo,  
   Natrona Heights, Pa.  
 Jessica Cooper Porterfield, Columbus  
 Pamela Jean Renner, Cincinnati  
 Nancy Walker Saunders, Worthington  
 Linda Susan Schoenfeld,  
   Paterson, N. J.  
 Michael Summers Slack, Mansfield  
 Bonnie Jean Spurbeck, Columbus  
 Deborah Jane Stokes, Urbana  
 Carma Jean Teasley, Grove City  
 Duane Gary Urick, Troy  
 Susan Yancey Spector Wegelin, Akron  
 Sarah-Jane Barrett Workman,  
   Russells Point

### Bachelor of Science in Agriculture

One hundred and three candidates

Milton Howard Albert, Jr.,  
   Baltimore, Md.  
 William Charles Barr, Columbus  
 Charlotte Sue Barton, Orient  
 Gale Marie Baumgardner,  
   West Richfield  
 Harold Edward Baxter, Jr., Hamilton  
 Robert Carl Beals, Xenia  
 Joseph Ralph Beatty, Greenville  
 Charles Haven Beaver, Sunbury  
 Gerald Lee Benham, Springfield  
 Thomas Alan Bostic, Columbus  
 Ronald Leroy Bowerman, Lima  
 James Lee Breitenstine, Barberton  
 Larry Franklin Burchfield, Gahanna  
 Charles William Bush, Gallipolis  
 Howard Walter Chalker, Granville  
 \*Judith Ann Coen, Willingboro, N. J.  
 Gary William Conklin, Bowling Green  
 James Clyde Crotcher, Bellevue  
 Lonnie Lee Davis, Xenia  
 Anthony Paul Debevc, Madison  
 Richard Stephen Debrah,  
   Kumasi, Ghana, West Africa  
 Charles Michael Delong, Columbus  
 Stewart Edison DeVold, Caldwell  
 Reed Kenneth Dils, Kettering  
 David Allen Draper, Ashland  
 Dennis Craig Dutka, Brecksville  
 Sue Frances Eby, West Liberty  
 Ronald Scott Echelberry, Mantua  
 Gary Nicholas Evanich, Minerva  
 Steven Douglas Falls, Bowling Green  
 David Warren Farst, Hamilton  
 Richard Craig Fendrick, Glenmont  
 Charles Frederick Ferris,  
   Waterbury, Conn.  
 James Richard Foltz, Baltimore  
 Frederic Alan Garten, Cincinnati  
 Rodney William Harris, Columbus  
 Roland Gregory Hawk, Lynchburg  
 Donald Ray Hayhurst, New Concord  
 David Jonathan Herman,  
   New York, N. Y.  
 Lowell Dennis Hill, DeGraff  
 David John Hoffman, Canfield  
 \*Jack Emerson Hoffman,  
   Morenci, Mich.  
 Lyle Allen Jones, Port Clinton  
 Alan Stuart Judd, Wooster  
 William Henry Kaltenbach,  
   Monroeville  
 James Edward Kensey, Grove City  
 Richard Morris Klinker, Lancaster

\* Also Master of Science, Graduate School

## School of Social Work

### Bachelor of Science in Social Welfare

Twenty-seven candidates

Gail Vernelle Barker, Columbus  
 Sharon Lynn Barrett, Cleveland  
 Pamela Kruske Bennett, Cincinnati  
 Betsy Sheldon Burke, Ashtabula  
 Peter Andrew Carney, Kettering  
 Margaret Kirgis Craig, Dayton



Larry Joseph Kokinda, Port Clinton  
 Steven Clayton Kreis, Milford Center  
 Harold Norbert Leonhard, Monroeville  
 \*William Charles Loebick,  
   Columbia Station  
 Michael David Lokai, Urbana  
 Timothy James Lyden, Urbana  
 Dennis Dale Martin, Logan  
 Danny Lee Maurice, Conover  
 Gerald Eugene McCluer, Jr., Lima  
 Richard Wesley Meiring,  
   Fort Recovery  
 William Irving Melbourne,  
   Willoughby  
 Larry Gene Miller, Lakeville  
 Harlan Martin Milne, Jr., Parma  
 Paul Edwin Moffitt, West Mansfield  
 Frank Joseph Munafo, Hamilton  
 Richard Lowell Nagel, Nevada  
 William Robert Nedderman,  
   New Bremen  
 Michael James Nicora, Hubbard  
 Dane Edward Nowels, Columbus  
 Clifford Francis Orley, Hudson  
 David Alan Parker, Wooster  
 Lynn Allen Parker, North Bloomfield  
 Dwight Edward Phillips,  
   Fredericktown  
 Larry Eugene Ralston, Kenton  
 David Lee Reese, Mt. Cory  
 Mark Alan Reynard, Columbus  
 Michael Roach, Eaton  
 Howard Louis Robinson, Shelby  
 Sandra Kay Ross, Oregonia  
 David Earl Sanders,  
   Cattaraugus, N. Y.  
 Joseph Hyland Scheetz, II, Springfield  
 David Dean Schneider, North Canton  
 John Carl Schreiber,  
   Palatine Bridge, N. Y.  
 Vincent Thomas Schroeder, Leipsic  
 Vaughn Leroy Siegenthaler,  
   West Liberty  
 David Eugene Simmons, Hillsboro  
 Gregory Emil Small, Newark  
 Earl Lee Smith, Hillsboro  
 Ralph Charles Smith, Andover  
 Ralph Dennis Smurr, Pickerington  
 Carl Daniel Snyder, Celina  
 Lee Edwin Sundermeier,  
   Bowling Green  
 Donald Edwin Swonger, Dover  
 Calvin Lee Taylor, McConnelsville  
 Mary Patricia Thomas, Granville  
 Kent Earl Thompson, Arcanum  
 Jerry Floyd Uhl, Millersburg  
 Elden Roy Villers, Rootstown  
 Anton Edward Vitu, Cleveland  
 Barry Lee Weber, Columbus

Tommy Lee Wentz, Wauseon  
 Robert Kimber Williams, Wilmington  
 Joseph Patrick Wolonsky, Barberton  
 David Richard Yahn, Cincinnati  
 Philip Joseph Yoder, Cincinnati  
 Larry Joseph Zimmerman, Mansfield

#### **Bachelor of Science in Dairy Technology**

One candidate

Erik Rusmanis, Parma Heights

#### **Bachelor of Science in Food Technology**

Three candidates

Roger Robert Dush, Wooster  
 Lynn Edward Matthews, Wilmington  
 Lawrence Stanley Sutton, Euclid

### **School of Home Economics**

#### **Bachelor of Science in Home Economics**

Forty-three candidates

Julia May Anderson, Mt. Vernon  
 Susan Dianne Biggs, Columbus  
 Elizabeth Suydam Boger, Napoleon  
 Karen Coby Booren, Lima  
 Pamela Fern Borton, Yellow Springs  
 Judith Fitch Brown, Lockbourne AFB  
 Julia Stanley Brown, Columbus  
 Gloria Jane Calcara, Columbus  
 Tamara Buell Caudy, Sunbury  
 Susan Ann Cavanaugh, Tiffin  
 Sharon Fryer Cleland,  
   Washington C. H.  
 Janet Irene Collins, Columbus  
 Marguerite Elizabeth Cook, Norwalk  
 Christine Enid Fernelius,  
   Parma Heights  
 Katherine Sue Green, Worthington  
 Kay Luciano Hall, Vandalia  
 Sharon Lynne Hinder, Columbus  
 Susan Hanrahan Kocher,  
   Scotch Plains, N. J.  
 Barbara Jane Lyman, Oberlin  
 Barbara Alice Lynn, Farmdale  
 Marilyn Bernice Mack, Columbus  
 Catherine Estelle Mahan, Bristolville  
 Mary Ellen Mann, Reynoldsburg

Mary Margaret Marsh, New Albany  
 Lilah Grace Miles, Ashland  
 Lauren C. Mitchell, Pataskala  
 Nancy McConnell Mock, Mt. Vernon  
 Glenna Rae Musille, Mansfield  
 Mary Elizabeth Oliver, Reynoldsburg  
 Peggy Ann O'Neill, Delta  
 Marilyn Jane Peoples,  
   Rochester, N. Y.  
 Kathleen Ratusz, North Ridgeville  
 Cheryl Jones Sheard, Xenia  
 Billie Ann Smith, East Liverpool  
 Carolyn Eilbert Smurr, Pickerington  
 Lillian Carol Stamets, Columbiana  
 Carol Pattison Stegmiller, Columbus  
 Gayle Anderson Sutherland, Marengo  
 Roberta Ann Vanata, Cuyahoga Falls  
 Virginia Clymans Warren,  
   New Philadelphia  
 Kay Felkey Wensink, Worthington  
 Sharon Lou Williams, Columbus  
 Mitzie Lindsey Wilson, Granville

#### **Bachelor of Science in Restaurant Management**

Two candidates

Sharon Wolfe Derflinger, Dayton  
 Joseph Vincent Penzone, Columbus

\* Also Bachelor of Science in Education,  
 College of Education

## College of Dentistry

Dean: John R. Wilson

## College of Education

Dean: Luvern L. Cunningham

### Doctor of Dental Surgery

One candidate

Charles Fredric Levine, Wooster, B.S.

### Bachelor of Science in Education

Two hundred and sixty-four candidates

Noreen Abokire, Parma Heights  
Dennis Paul Ackerman,  
Cleveland Heights  
Diana Weir Anderson,  
Hingham, Mass.  
William Daniel Angel, Jr., Sunbury  
David Roger Angles, Wellston  
William Arroyo, Lorain  
Barbara Ann Baczewski,  
Bloomingtondale  
James Patrick Bailey, Zanesville  
Constance Kell Baker, Trotwood  
Dennis George Bame, Jenera  
Sharon Guenther Barnes, Huron  
Sue Ann Barr, Hilliard  
Barbara Ann Bartlett, Cincinnati  
Raymond Charles Bauer, Middletown  
Judith Ann Bauman, Toledo  
Carolyn O'Keefe Bebee, Willard  
Jerry Ray Bell, Barberton  
David Charles Belt, Washington C. H.  
Melinda Lee Berger, Midland  
David Robert Birckbichler,  
Westerville  
Helen Augusta Bissman, Mansfield  
Thomas Charles Bittner, Cincinnati  
Connie Cessna Blanchette, Grafton  
Roderick Harry Bogner, Mansfield  
Jean-Clare Sims Bohm, Wapakoneta  
Charlotte Marie Bokal, Euclid  
Jeanne Brilla Booms, Burton  
Cheryle Meek Brenner, Sunbury  
Penny Rae Brill, Columbus  
Sheryl Mae Brinker, Medina  
Mary Beth Brothers, Rocky River  
Linda Shaefer Brown, Columbus  
George Gregory Bruck, Bedford  
Elizabeth L. Brutvan,  
Cleveland Heights  
Linda Lou Buck, Columbus  
Margie Dell Burden, Cleveland  
Arlene Silverstein Cable,  
Shaker Heights  
Janice Baird Cassady, Hilliard  
Judith Ellen Chapman, Newark  
John Mark Cheadle, Zanesville  
David Charles Chuha, Parma  
Mary Ann Melching Clemons,  
Cleveland  
Russell Allen Cochrane, Columbus  
Carolyn Corrine Coldren, Columbus  
Carol Ann Cole, Columbus  
Joe Edward Cook, Columbus  
Deborah McGee Coss, Columbus  
Natasha Eve Cowan, Columbus  
Elizabeth Annabel Crall, Tiro  
Shirley Beard Crotcher, Bradford  
Liane Woltmann Curren, Marion  
Judith Anne Dailey, Wintersville  
Penelope Tell Dearth, Columbus  
Beverly Garver Deaton, Marion  
Grace Patterson DeLong, Adelphi  
Dolphine Schlote Denman, Columbus  
Clare Yurick Dentzer, Cleveland  
Van Keith Derryberry, Lima  
Linda Minor Diltz, Circleville  
Harold Irvin Dipple, Jr., Bellefontaine  
Charrie Yvonne Dolfi, Steubenville  
Patricia Anne Donahue,  
Carle Place, N. Y.  
Ruth Anne Downhour, Elida  
Jill Kathryn Drexel,  
Mayfield Heights  
Gary Edward Dudley, Columbus  
Connie Mae Dussing,  
Cleveland Heights  
Richard Alan Eckenfels,  
Maple Heights  
Lynn Helen Eicholz, Lakewood  
Linda Lee Ellis, Dublin  
Barbara Jean Elsass, Waynesfield  
Judith Donda Eschbacher,  
North Royalton  
Cheryl Anne Evans, Cambridge  
John Warren Evers, Ashland  
Alan Kenneth Feikle, Cleveland  
Michael George Fetzek, Columbus  
Patricia Anne Filipic, Maple Heights  
Jo Ann Fisher, Delaware  
Jack Thomas Fletcher, Crestline  
Kathleen Mary Flor, Stoneham, Mass.  
Pamela Leigh Flora, Columbus  
Lesli Beck Forster, Columbus  
Karen Classon Fox, Columbus  
Richard Patch Frankhouser,  
Lafayette  
Joel Bernard Friedman,  
University Heights  
Shirley Rachelle Frum,  
Cleveland Heights  
Marmee Joan Fry, Springfield  
Ruth Hedges Gearhiser, Radnor  
Patricia Cannon Giering, Youngstown  
Carol Rae Ginsberg, Atlanta, Ga.  
Linda Jean Fisher Glenn,  
Fredericktown  
Kathleen Louise Glover, Hinckley  
Phoebe Lynne Golke, Fairview Park  
Joan Ines Graska, Mansfield  
Elizabeth McCarthy Green, Newark  
Jane Williams Greissingar, Newark  
Kathleen McFeaters Hamilton,  
Allen Park, Mich.

Deborah Lynne Harris,  
Hollis Hills, N. Y.

William Lee Harris, Martins Ferry

Connie Neil Hatfield, Park Forest, Ill.

Steven Eugene Haynes, Columbus

Mary Catherine Heitmeyer,  
Ft. Jennings

Barbara Konig Hendershot,  
Rocky River

Pamela Ammons Hendricks, Columbus

Mary Louise Hendrickson, Mansfield

David Kenward Henkle, Roundhead

Vivian Long Henson, Sulphur Springs

\*Norma Jean Herz, Dover

Marlene Huffman Heston, Centerburg

Sharon Dwoskin Hirsh, Akron

Mary Ann Brown Hollman, St. Marys

Patricia Jean Holmes,  
Columbus Grove

Alice Elizabeth Horvath, Mentor

Janet Wack Huguenard, Mansfield

Sharon Lee Humphrey, Columbus

Louise Sonderman Hunt, Marion

Diane Joan Hylan, Shaker Heights

Louis Gene Ignatz, Elyria

Terry Allen Imes, Columbus

Margaret Ingalls, Columbus

Ronald Harold Johns, Lima

Harriet Eckelberry Jones, Columbus

Janice Maria Jones, Columbus

Jeffrey Lynn Jones, Columbus

Lee Ann Jones, Dublin

Margaret Mackenzie Jones, Newark

Melanie Dee Key, Cincinnati

William John Kilkenny, Columbus

Dana Ross Kimes, Plymouth

James Howard King, Lima

Jeanne Price King, Coshocton

Linda Cohagen Klinksick, Columbus

Karen Spears Knepper, Columbus

Charles John Knorr, Taylor, Mich.

Aileen Carson Koewler, Worthington

James Frank Kordon, Akron

Lynne Anderholm Kottman, Columbus

Judy Lynne Kravitz,  
Miami Beach, Fla.

Cheryl Ann Krock, Loudonville

Joyce Kronfeld, University Heights

William Tennyson Krugh, Walbridge

James Anthony Lis, Wickliffe

Gail Anne Lloyd, Dayton

\*\*William Charles Loebick,  
Columbia Station

Betty Eileen Long, Columbus

Nancy Gwynne Lore, Columbus

Trudy Mann Lusher, Columbus

Phyllis Bishop Mansfield, Milan

Janice Elaine Marshall, Columbus

Alice Jeanette Mascari, Marion

Baerbel Safranek Mason, Columbus

Helen Kowalski Masters, Columbus

Barbara Schreiner Mathers, Columbus

Robert Morris McCance, Jr., Sylvania

Gladys McIntosh, Lebanon

Katherine Marie McNamara,  
Delaware

Jean Corcoran Mendelsohn, Columbus

Timothy James Mertins, Cleveland

Joyce Irwin Miley, Marengo

Bruce Rowland Miller, Mansfield

Madeline Mae Miller, Columbus

Sharon Rene Mitchell, Champaign, Ill.

Barbara J. Bryan Moyses, Columbus

Thomas Warren Murch,  
Holliston, Mass.

Judith Ann Murray, Buffalo, N. Y.

Jenifer McDaniel Nance, Columbus

Sharon Fay Neep, Columbus

Albert Ray Neff, Columbus

John Ernest Nelson, Bellefontaine

Robert Earl Nelson, Worthington

Ronald Mack Oaks, Bellefontaine

Murvil Bothwell O'Dell, Worthington

Rita Ann Oney, Norwalk

Adria Baratt Perelman, Cleveland

James Arthur Perkins, Dayton

Jean Davis Peterson, Mentor

Lynn Anne Petro, Chillicothe

Geraldine Osborne Petros, Minerva

Elizabeth Robinson Pettit, Columbus

Velma Stimmler Pilo, Mansfield

Betty Womack Powell, Columbus

Diane Compton Powell, Columbus

Janet Marie Probala, Cleveland

Cheryl Levy Rampelt, Chicago, Ill.

Carol Bishop Rausch, Columbus

Linda Kaye Raybuck, Wellington

Jerry Clay Rector, Columbus, A.B.

Sheryl Rhoades Reed, Belle Center

Paul David Reeder, Alliance

Marlene Sue Reiser, Columbus

Barbara Ann Reynolds, Columbus

Sandra Jeanne Reynolds,  
Pittsburgh, Pa.

Alvenia Rhea, Grove City

Frances Noldon Roberts, Columbus

Linda Lee Roberts, Genoa

Jean Kelley Robinson, Columbus

Joan Elaine Rock, Rochester, N. Y.

Andrea Jane Rogers, Steubenville

Sarah Roush Rogers, Columbus

Edward James Rohrbaugh,  
Wapakoneta

John Arthur Roller, Prospect

Barbara Ruth Rollins, Springfield

Linda Eve Sankoski, Akron

Raymond Edward Schaefer, Granville

Bette Hamilton Schulken, Columbus

Sandra Pound Schultz, Newark

Estelle Masoni Scott, Columbus

William Erdman Sempf, Steubenville

Charles David Sheikovitz,  
Wheeling, W. Va.

Marilyn Janis Shell, Columbus

Cheryl Skander Shining, Bedford

Samuel Allen Shoemaker, Heath

Sandra Simpson, Newark, N. J.

Sandra Marie Slevinski, Seven Hills

Sarah-Ann Parsons Smiley,  
Canal Winchester

Candace Smith, Summit, N. J.

Kathleen Alice Smith, Bucyrus

Robert Peter Smith, Jr., Lakewood

Sandra Kay Smith, Bethesda

Ann Leslie Snedeker,  
Great Neck, N. Y.

Marilyn Ilene Spacone,  
Shaker Heights

Dale Cooper Spector, Metuchen, N. J.

Linda Carol Spiker, Norwich

Sara Marble Stanton, Marion

Timothy Lee Steingass, Medina

Steven Conrad Stone, Columbus

Susan Lister Stroepe, Columbus

Gary Evan Stull, Waynesboro, Pa.

Neil Edwin Stutz, Piqua

Kaye McCormick Sulser, Powell

Walter Louis Sunderhaus, Cincinnati

Beverly MacDonald Swaidner, Tiffin

John William Swishhelm, Hillsboro

Theodore Dennis Szakmary,  
Brentwood, N. Y.

Gregory Henry Tedesco, Cincinnati

Barbara Booth Thomas, Kimbolton

Elaine Marie Thomas, Columbus

Marthalee Shaffer Thomas, Columbus

Terry James Thompson, Columbus

Sue Anne Toms, Columbus

Gwendolyn Renfrew Tracy, Lexington

Charles Lord Vedder, Columbus

Margaret Louise Volz, Cincinnati

Karen Faye Wallace, Grove City

Joyce Ann Watson, Columbus

Karen Sue Watts, Columbus

Tommy Lee Webb, Columbus

Martha Ann Wenning, Cincinnati

Deborah Johnson West, Berea

Linda Jean Whittington, Columbus

David Carlton Williams, Tiffin

Marilynn Apsolon Williams, Mansfield

Lynn Denise Wilson, Columbus

Nancy Kay Winget, Lima

Sherrie Jean Winkelman, Newark

\* Also Bachelor of Arts, Colleges of the Arts and Sciences

\*\* Also Bachelor of Science in Agriculture, College of Agriculture and Home Economics

## College of Engineering

Dean: Harold A. Bolz

Suzann Marilee Wirthman, Delaware  
Phillip Melvin Wishon, Columbus  
Alice Jane Wolfe, Worthington  
Linda Stubbs Woodward, Mt. Sterling  
Patricia Dziamba Worrell, Columbus  
Laura Ruth Dain Wright, Marysville  
Barbara Lindner Yahn, Cincinnati  
Nancy Walker Yonk, Toledo  
Delores Zachik, Sharon, Pa.  
Rosann Marie Zingales,  
Broadview Heights

### Bachelor of Aeronautical and Astronautical Engineering

Four candidates

Edward Francis Brooks, Kettering  
Richard Bruce Lowe, Union  
Jeffrey Joel Smith, Columbus  
\*Dale Lee Stimpert, Ashland

### Bachelor of Agricultural Engineering

One candidate

\*Robert Bernard Wensink,  
Monroeville

### Bachelor of Science in Agricultural Engineering

Two candidates

Dean Fredrick Hire, Bellevue  
Marvin Eugene Muntz, Holgate

### Bachelor of Ceramic Engineering

Two candidates

Michael William Carroll,  
Reynoldsburg  
\*Daniel Allan O'Brien, Zanesville

### Bachelor of Chemical Engineering

Two candidates

Michael Joseph Gorman,  
Syracuse, N. Y.  
Rodney Robert Welsh, Largo, Fla.

### Bachelor of Civil Engineering

Five candidates

Michael William Bow, Clayton  
Richard Arvid McGuinness, Coshocton  
Paul Milton Sensibaugh, Bergholtz  
Frank Edward Van Horn, Wayne, Pa.  
Jerry Gene Wysong, West Manchester

### Bachelor of Science in Civil Engineering

Six candidates

Rhea Kuhn Caldwell, Columbus  
Robert William Jorgenson,  
Norfolk, Va.  
James Edward McKinniss, Wellston  
Leland Earl Ozbun, Pittsburgh, Pa.  
Paul Robert Schlegel, Columbus  
Paul Harvey Zinszer,  
Hamilton, Ont., Canada

### Bachelor of Science in Computer and Information Science

Four candidates

Thomas Robert George, Botkins  
George Michael Koval, Barberton  
Daniel Petrossian, Meshed, Iran  
Eduardo Zulusaga, Medellin, Colombia

### Bachelor of Electrical Engineering

Nine candidates

James Owen Everly, Marion  
Wyte Hutunuwongsakul,  
Bangkok, Thailand  
Charles Richard Irish, Jr., Circleville  
Alan Lloyd Landgraf, Painesville  
Robert Michael Lukens, London  
William Roy Nolan, Lexington  
\*John Edward Shea, Columbus  
Stephen Arthur Steward, Milford  
Robert Gifford Wickliff, Jr., Columbus

### Bachelor of Industrial Engineering

Thirteen candidates

Jack Alan Arnold, Lima  
\*Thomas Sergei Guins, Bucyrus  
Charles William Hurd, III,  
West Salem  
Jack Carter Ihle, West Chester  
Philip French Kearney, Xenia  
Thomas Allen Kevern, Kettering  
Dennis James Lowe, Orrville  
George Harry Mihaly, Jr., Akron

\* Also Master of Science, Graduate School

## College of Law

Dean: Ivan C. Rutledge

William Wittman Rollin,  
Fairview Park  
Robert Paul Saville, Westlake  
Dennis Joseph Sebian, Painesville  
Raymond William Shoup, Niles  
Roger Shirl Vincent, East Liverpool

### Bachelor of Science in Industrial Engineering

Eleven candidates

Timothy Robert Bridges, Cincinnati  
Ronald James Briggs, Frankfort  
Thomas Evan Eberhardt, Chesterland  
Melvin Kosanchich, Jr.,  
Cuyahoga Falls  
George Charles Parks, Avon Lake  
Robert Edward Ploetz, Willowick  
Robert Thomas Preston, Columbus  
Dennis Robert Schlett, Sandusky  
John Arthur Shumaker,  
Fairview Park  
Franklin Ronald Smith, Worthington  
Paul Alfred Yancey,  
Whitesboro, N. Y.

### Bachelor of Mechanical Engineering

Seven candidates

James Burton Baer, Orrville  
Harold Emerson Cheyney, Columbus  
John Douglas James, Kettering  
\*Thomas Alan Klausung, Leipsic  
Michael Williamson Preis,  
Yellow Springs  
\*Howard Dalton Swingle, Philo  
Robert Allen Yano, Parma

### Bachelor of Science in Mechanical Engineering

Twenty-five candidates

Gregory Gene Bietry, Lima  
Walter Phillip Britton, Dayton  
Laurence Gene Crispin, Barberton  
Timothy Omer Downing, Columbus  
Bertram James Durie, III, Wooster  
Robert Ernest Farrell, Lorain  
Robert Newton Fletcher, Miamisburg  
John Gary Gensheimer,  
Schenectady, N. Y.

Richard Joseph Gillenwater, Wooster  
Ton Go, Jr., Caloocan, Philippines  
Thomas Michael Gorman, Grove City  
John Joseph Hally, Columbus  
John Everest Hart, Kettering  
William Allen Mayor, Cleveland  
Afamefuna Patrick Offiah Morris,  
Enugu, Nigeria  
Stephen Arden Mowrer, Columbus  
Richard Allen Pender, Parma  
Dennis Ray Piper, Cleveland  
Clayton Victor Reuse, Bedford  
George John Rhyner, Brooklyn  
Ambrose Leo Schwallie, Quaker City  
Larry Lee Sharp, Dayton  
James Alan Susko, Findlay  
Raymond Dale Tallman, II, Columbus  
Allen Richard Tymkewicz,  
Fairview Park

### Bachelor of Science in Engineering Physics

Two candidates

John Robert Thompson,  
Parma Heights  
Larry Arthur Zielke, Van Wert

### Bachelor of Welding Engineering

One candidate

Glenn Nelson Fischer, Dayton

## School of Architecture

### Bachelor of Architecture

One candidate

John Donald Juniper, Jr., Columbus

### Bachelor of Science in Architecture

One candidate

Charles Leland Taylor Smith,  
Washington C. H.

### Juris Doctor

Twenty candidates

Mark Shelton Anderson, Columbus  
B.A. (Miami University)  
Thomas Adrian Carpenter, Tiffin  
B.A. (University of Notre Dame)  
James Timothy Cline, Jr., Kettering  
B.S. (Indiana University)  
William Clark Donahue, Youngstown  
B.A. (Denison University)  
Nancy Jackson Ezis, Findlay  
B.A.  
Theodore Paul Frericks, IV, Marion  
B.A. (University of Notre Dame)  
David Bruce Hornbeck, South Vienna  
B.A. (Ohio Wesleyan University)  
David Vernon Hutchinson, Columbus  
B.S. (United States Naval Academy)  
David Edgar Jones, Cleveland  
B.B.A. (Kent State University)  
David Maynard Kauffman, Columbus  
B.A., M.B.A.  
William Wilson Kenneweg,  
New Concord  
B.A. (Tarkio College); M.A.  
Robert Phillip Moses, Columbus  
B.S. in Soc. Wel.  
John Daniel Munkacsy, Jr., Berea  
B.S. in Bus. Adm. (Bowling  
Green State University)  
Roger Herbert Norman, Lancaster  
B.A. (Ohio Wesleyan University);  
M.A.  
David Edward Railsback, Eaton  
A.B. (Hanover College)  
Gregory Lewis Ridler, Pepper Pike  
A.B. (Hanover College)  
William Firman Schenck, Jr.,  
Richmond, Va.  
B.A. (University of Richmond)  
Vaughn Franklin Stocksdale,  
Rossburg  
B.A. (Manchester College)  
Joel Tice Thomas, Columbus  
B.A. (Trinity College)  
Terry Dale Van Horn, Columbus  
B.A.

### Bachelor of Laws

One candidate

Abe R. Kipperman, Toledo

\* Also Master of Science, Graduate School

## College of Medicine

Dean: Richard L. Meiling

### School of Allied Medical Professions

#### Bachelor of Science in Medical Illustration

One candidate

Carolyn Sue Stringer, Hopedale

#### Bachelor of Science in Medical Technology

Six candidates

Linda Mae Cummins, Springfield  
Kathleen Ann Forrester, Columbus  
Kathryn Petersen Lowther, Akron  
Myra Sue Myers, Kipton  
Margaret Baxter Nevin, Mt. Vernon  
Thomas Alan Robinson, Akron

#### Bachelor of Science in Occupational Therapy

Two candidates

Rochelle Helene Feldman,  
Pascagoula, Miss.  
Dena Meckler Shapiro,  
Cleveland Heights

#### Certificate of Graduate Physical Therapist

One candidate

Donald James Cook, Jr., Williamsport  
B.S. in Edu.

#### Certificate of Nurse Anesthetist

Five candidates

Jesse Paul Burns, Athens, Tenn.  
Thomas Franklin Haaser, Columbus  
Elizabeth Foust Murphy,  
Clinton, Tenn.  
Lula Mae Eskridge Rayfield, Columbus  
Wayne E. Yutzy, Columbus  
B.S. in Nursing

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

One candidate

William John Hamilton, Columbus  
B.S.

## Graduates with Honors

### Summa Cum Laude

William Adams Byers, Bellville  
Robert Newton Fletcher, Miamisburg  
Theresa Kay Jelley, Columbus  
David Maynard Kauffman, Columbus  
Sharon Beth Kittelberger,  
Rocky River  
Murvil Bothwell O'Dell, Worthington  
Sarah Roush Rogers, Columbus  
Howard Dalton Swingle, Philo  
Donna Cameron Sylvester, Cincinnati

### With Distinction in Agronomy

Jack Emerson Hoffman,  
Morenci, Mich.  
Lyle Allen Jones, Port Clinton

### With Distinction in Animal Science

Judith Ann Coen, Willingboro, N. J.

### With Distinction in French

Mary Sydir, Cleveland

### Cum Laude

William Daniel Angel, Jr., Sunbury  
James Patrick Bailey, Zanesville  
Sharon Guenther Barnes, Huron  
Jean-Clare Sims Bohm, Wapakoneta  
Linda Lou Buck, Columbus  
Tamara Buell Caudy, Sunbury  
Beverly Garver Deaton, Marion  
Linda Minor Diltz, Circleville  
Christine Enid Fernelius,  
Parma Heights  
Glenn Nelson Fischer, Dayton  
Theodore Paul Frericks, IV, Marion  
Merrickay Shope Hall, Troy  
Marjorie Hopkins Hay, Delaware  
Gary Duane Leatherman,  
New Philadelphia  
William Allen Mayor, Cleveland  
David Curtis Nickol, Cincinnati  
Chad Alan Norcross, Berea  
Roger Herbert Norman, Lancaster  
Carol Bishop Rausch, Columbus  
Jeffrey Joel Smith, Columbus  
John Brummitt Stephens, Oberlin  
Beverly MacDonald Swaidner, Tiffin  
Joel Tice Thomas, Columbus  
John Robert Thompson,  
Parma Heights  
Charles Lord Vedder, Columbus  
Susan Yancey Spector Wegelin,  
Akron

### Cum Laude and with Distinction in Botany

Ned Alan Stombaugh, Bryan

### Cum Laude and with Distinction in Spanish

Donna Alvarado Lane,  
Alexandria, Va.

## Graduates to be Commissioned in the Armed Forces

### UNITED STATES ARMY

#### Second Lieutenant, United States Army Reserve

##### Adjutant General's Corps

Ronald Joseph Gundersont  
Harry Jerome Kingdom†  
Walter Louis Sunderhaus†  
Theodore Dennis Szakmary†  
James Joseph Tankersley†

##### Air Defense Artillery

Gerald Wayne Kramb  
Dennis Robert Moore  
James Francis Ricketts†  
Stuart Mark Tishkoff

##### Armor

John Irvin Andrix  
Philip Drew DeVore  
John Joseph Doherty  
Michael David Feldman†  
Steven Conrad Stone†  
Thomas Joseph Weisenbach†  
Roger Lee Wells

##### Chemical Corps

Dale Edward Donaldson†  
James Edward Kensey  
Larry Joseph Kokinda

##### Corps of Engineers

Thomas Edward Hennigan  
John Steven Howell  
Jerome Albert Lemire  
Theodore Allen Lencheski  
David Edward Lichy  
Thomas Edward Lutz  
David Youmans Palmer  
Dwight Edward Phillips†  
William Jefferson Pinnick  
Mark Alan Reynard  
Charles Leland Taylor Smith†  
Earl Lee Smith  
Calvin Lee Taylor  
Terence David Tincher

##### Field Artillery

Carl Joseph Breth  
Thomas Paul Gerbasi  
Charles William Hurd, III  
William Charles Loebick  
Julius Judson Mesteller, Jr.  
Robert Charles Morton  
William Francis Parnell  
Parker Edward Phillips  
Donald VerWieb Schwartz  
Vaughn Leroy Siegenthaler  
Neil Edwin Stutz  
Elden Roy Villers†

##### Finance Corps

Robert Edward Leef

##### Infantry

James Cronin Brundrett  
Russell Allen Cochran  
Gary Curtis Dearth  
Ronald Lynn Dickenson  
Riley Merton Edwards  
David Barry Ferriman  
Michael George Fetzek  
Brian Nevin Florence  
Robert McCord Harris  
William Lee Harris  
Daniel John Held  
Earl Neil Hoover  
Thomas Jefferson Isner  
Robbin Andrew Johnson  
Gregory Lee Karam  
Robert John Lazar  
Charles Robert Morgan  
Robert Wendell Palenshus  
Roger Gene Parrot  
James Arthur Perkins†  
Peter Vincent Rast  
Robert Neil Shaffer  
Charles David Sheikovitz  
George Gordon Stein, II  
Roy Wendell Steinhoff  
Ronald Paul Thomas  
John Lee Whitmer  
John Nolan Zinsmaster

##### Medical Service Corps

Harry Herbert Evans, Jr.  
Charles Frederick Ferris  
Ralph Charles Smith  
John Anthony Sokol

##### Military Intelligence

William Daniel Angel, Jr.  
Larry Franklin Burchfield  
Marion Dean Cole  
Stephen Craig Conrad

##### Military Police Corps

Jerry Stanley Gerard†  
William Clifford Haller†  
Richard Eugene Sherer

##### Ordnance Corps

William Dennis Katis  
William John Kilkenny  
Ronald Andrew Romito  
John Richard Schuster  
Timothy Owen Sullivan  
Raymond Dale Tallman, II†  
Larry Allen Trager

##### Quartermaster Corps

Brent Alvin Bartels  
Steven George Bullett  
Charles William Bush  
Terence Lee Carpenter  
Anthony Paul Debevc†  
Thomas Joseph Garrity  
Frederic Alan Garten

Roger Leslie Golub  
Robert Leslie Harrison  
David John Hoffman†  
Steven Eric Houchin  
Edward Norman Jacobs  
Lynn Allen Parker  
David William Sheets  
Raymond Joseph Troth  
Anton Edward Vitu

##### Signal Corps

John Clement Billotte  
Keith Allen Kidner  
David Eugene Simmons  
Stephen Arthur Steward  
John Francis Wolf

##### Transportation Corps

John David Austin, Jr.†  
Jerry Ray Bell  
Charles Ray Cook, Jr.†  
Brian Paul Pittner

† Denotes Distinguished Military Graduate



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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FORTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 12, 1970

The Board of Trustees met at its regular monthly meeting on Thursday, February 12, 1970, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Frederick R. Eckley and M. Merle Harrod.

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Minutes of the last meeting were approved.

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February 12, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Naming of Buildings

Upon the recommendation of the College of Agriculture and Home Economics, and with the concurrence of the President's Cabinet, President Fawcett recommended that the building located at 1827 Neil Avenue presently identified as the Horticulture and Forestry Building be renamed "Lazenby Hall," to honor the memory of Professor William Rane Lazenby, the first Chairman of Horticulture at The Ohio State University and the first Director of the Ohio Agricultural Experiment Station (now the Ohio Agricultural Research and Development Center).

Also upon the recommendation of the Department of Chemistry, and with the concurrence of the President's Cabinet, President Fawcett recommended that the building located at 176 West 19th Avenue now known as the Research Laboratory be renamed "Herrick L. Johnston Laboratory." The late Professor Johnston was a member of the Chemistry Department from 1929 to 1954 and was one of the persons primarily responsible for the construction of the building and the establishment of the cryogenic laboratory which was housed in this building.

These recommendations are in accordance with the Bylaws of the Board of Trustees.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the Board of Trustees approved the foregoing recommendations by unanimous voice vote.

B. Establishment of Programs Leading to Certificate of Medical Illustration and Certificate of Circulation Technology

The Faculty Council on December 9, 1969, with the endorsement of the Council on Academic Affairs, approved the request from the School of Allied Medical Professions that the certificate programs currently offered be expanded to include a Certificate of Medical Illustration and Certificate of Circulation Technology.

There is precedent for such certificate programs in the School of Allied Medical Professions since the Physical Therapy Division gives post-baccalaureate certificates in a program approved by the Faculty Council and Board of Trustees.

The certificates in Medical Illustration and Circulation Technology are requested for students who hold baccalaureate degrees from this or other institutions of higher learning. The curricular program will provide professional preparation for those who wish to become medical illustrators or circulation technologists who have taken their baccalaureate work in another field. These certificates will require one year of studies of a professional nature. The certificate will provide the student with valid evidence of this professional training beyond the baccalaureate degree and will enable him to practice his profession.

February 12, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Establishment of Programs Leading to Certificate of Medical Illustration and Certificate of Circulation Technology (continued)

President Fawcett recommended that the foregoing certificate programs be approved by the Board of Trustees, effective with Summer Quarter, 1970.

Upon motion of Mr. Eckley, seconded by Mr. Hilliker, the Board of Trustees approved the foregoing recommendation by unanimous voice vote.

C. Revisions of Rules 35.07, 37.15 and 47.01 of Rules for the University Faculty

On December 9, 1969, the Faculty Council approved revisions in the Rules for the University Faculty which relate to changes necessary for the marks on student records when students withdraw from courses or from the University.

1. That the marks WP and WF - Withdrawal be added to Rule 35.07 as two of the approved marks of the University. (See complete text of changes in Appendix IV, page 381.)
2. That the present Rule 37.15 be deleted and that the new Rule 37.15 be substituted for the old rule. This rule provides for the mark WP for passing work or WF for failing work at the time a student withdraws from University courses between the sixth and eighth weeks of the quarter. After the eighth week, the student receives WP or E as his mark in any courses from which he withdraws.
3. That the present Rule 47.01 on Withdrawal from the University be modified to make it possible for a student to withdraw of his own volition during the first eight weeks of the quarter. The student's record will be marked in accordance with Rule 37.15 on withdrawal from courses.

President Fawcett recommended that the foregoing changes in Rules for the University Faculty be approved.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the Board of Trustees approved the foregoing recommendation by unanimous voice vote, and the Secretary of the Board of Trustees was further instructed and given authority to make the foregoing changes in the next printing of the Rules for the University Faculty.

February 12, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Reprinted Publication Entitled--Statutes Applying to the University, By-laws of the Board of Trustees and Rules for the University Faculty

The publication entitled, Statutes Applying to the University, Bylaws of the Board of Trustees and Rules for the University Faculty, has been reprinted to conform to the changes which have been approved by the Board of Trustees since the last publication in January, 1968. The statutes of the Ohio Revised Code pertaining to The Ohio State University and printed in this publication have been revised to include those actions adopted by the 108th General Assembly.

President Fawcett recommended that this publication be accepted in its reprinted form as the official publication of the Board of Trustees.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous voice vote.

E. Elimination of Office of Research and Incorporation of Duties in the Office of the Vice President for Academic Affairs and Provost

President Fawcett recommended that proposed changes in the Bylaws of the Board of Trustees and Rules for the University Faculty to accommodate the elimination of the Vice President for Research as a separate office and entity and incorporation of the authority and duties relative to research and sponsored programs within the Office of the Vice President for Academic Affairs and Provost be approved. It was recommended further that the Secretary be authorized to make the appropriate substantive and editorial changes to accommodate this reorganization in the next printing of the Bylaws of the Board of Trustees and Rules for the University Faculty.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees approved the foregoing recommendations by unanimous voice vote.

F. Honorary Degrees

The Faculty Council on January 13, 1970, recommended twenty-three recipients for honorary degrees to be conferred during the Centennial Year. President Fawcett recommended that the Board of Trustees approve the Faculty Council recommendation. The names of the recipients will be announced at appropriate times during the Centennial Year.

Upon motion of Mr. Dunlap, seconded by Mr. Harrod, the Board of Trustees approved the above recommendation by unanimous voice vote.

I. GENERAL RECOMMENDATIONS (continued)

G. Adoption of an Official Seal for the College of Dentistry

The faculty of the College of Dentistry has proposed that a seal be adopted for use by the College. This seal, symbolic of the relationship of the profession of Dentistry to education at The Ohio State University, is described as follows:

The "O" with the open book and buckeye leaf are part of the University seal and signify learning. The "O" also represents the Greek letter Omicron which is the first letter of the Greek word Odont meaning tooth.

The triangle represents the Greek letter Delta which together with the cauter and the branches with leaves and berries are symbolic of the profession of Dentistry. The leaves represent the thirty-two teeth in the permanent dentition, the berries the twenty teeth in the deciduous dentition.

President Fawcett recommended that the Board of Trustees approve the proposed seal as submitted by the Dean of the College of Dentistry and described above, and further, that the original copy of the seal be filed with the official records of the University.

Upon motion of Mr. Hilliker, seconded by Mr. Eckley, the Board of Trustees approved the above recommendations by unanimous voice vote.

H. Authorization for the Filing of Application for Grant Funds Under Title VII of the Public Health Service Act, as Amended

In making an application for grant funds for expansion of the University's medical facilities under Title VII of the Public Health Service Act, as amended, this Board is required to approve the following resolution:

This Board authorizes and directs that an application be filed with the Secretary of Health, Education and Welfare under Title VII of the Public Health Service Act, as amended, for a grant to support the development of a Clinical Medical Sciences Education Facility (Inpatient Teaching Facility).

The Board designates Novice G. Fawcett, President of The Ohio State University, as the person authorized to file this application and act as the representative of the University in all matters relating to this application and Gordon B. Carson, Vice President for Business and Finance, as the alternate.

And finally, the Board of Trustees of The Ohio State University is cognizant of the conditions under which such grant funds are made available and approved for payment to an applicant.

February 12, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

H. Authorization for the Filing of Application for Grant Funds Under Title VII of the Public Health Service Act, as Amended (continued)

President Fawcett recommended that the foregoing resolution be adopted by the Board of Trustees.

Upon motion of Mr. Harrod, seconded by Mr. Eckley, the Board of Trustees adopted the above resolution by unanimous voice vote.

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II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the December 11, 1969 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary and Emeritus Titles:

A. Appointments

James C. Kirby, Jr., Dean and Professor, College of Law, effective July 1, 1970, at a salary of \$32,688.00 per annum.

Robert C. Stephenson, Vice Provost for Research and Sponsored Programs in the Office of Academic Affairs, effective February 1, 1970, at No Salary. Dr. Stephenson will continue as Executive Director of The Ohio State University Research Foundation.

John E. Andreas, Professor, Department of Veterinary Medicine, effective January 1, 1970, at a salary of \$25,008.00 per annum.

Roald F. Campbell, Novice G. Fawcett Professor of Educational Administration, College of Education, effective July 1, 1970, at a salary of \$30,168.00 per annum.

Robert F. Redmond, Professor, Department of Mechanical Engineering, effective July 1, 1970, at a salary of \$23,328.00 per annum.

John P. Stanley, Director of the Public Management Programs in the College of Administrative Science, effective February 1, 1970, at a salary of \$18,168.00 per annum.



February 12, 1970 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

B. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named persons were recommended for Leaves of Absence With Salary from the Cooperative Extension Service for the period indicated:

Paul R. Hothem, Instructor (County Extension Agent, 4-H) Knox County, effective January 1, 1970 through March 15, 1970, to participate in a program of professional improvement at The Ohio State University.

Joseph C. McClanahan, Instructor (County Extension Agent, 4-H) Hancock County, effective January 1, 1970 through March 15, 1970, to participate in a program of professional improvement at The Ohio State University.

Albert R. Pugh, Instructor (Extension Economist, Community Resource Development), effective January 1, 1970 through June 15, 1970, to participate in a program of professional improvement at The Ohio State University and Michigan State University.

C. Leaves of Absence Without Salary

Hans L. Zetterberg, Professor and Chairman, Department of Sociology, effective February 15, 1970 through March 31, 1970, to engage in research in Europe.

Melvin N. Greenball, Associate Professor, College of Administrative Science - Accounting, effective January 1, 1970 through March 31, 1970, to serve as a Visiting Professor at UCLA.

Raphael D. Levine, Associate Professor, Department of Chemistry, effective January 1, 1970 through June 30, 1970, to serve as a Visiting Professor at Hebrew University, Jerusalem.

February 12, 1970 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Leaves of Absence Without Salary (continued)

Samuel T. Battaglia, Assistant Professor, College of Administrative Science - Accounting, effective January 1, 1970 through June 30, 1970, to serve as a Visiting Professor at the University of Denver.

Charles H. Shultz, Assistant Professor, Department of Geology, effective January 1, 1970 through January 31, 1970, to engage in research on a National Science Foundation grant.

Patricia A. Braden, Instructor (County Extension Agent, Home Economics) Lucas County, Cooperative Extension Service, effective December 1, 1969 through May 31, 1970, for personal reasons.

Margaret E. Griffiths, Instructor (County Extension Agent, Home Economics) Meigs County, Cooperative Extension Service, effective December 16, 1969 through June 15, 1970, to participate in a program of professional improvement at The Ohio State University.

D. Emeritus Titles

Charles A. Haas, Professor Emeritus, Cooperative Extension Service, effective February 1, 1970.

Christine R. Nichols, Professor Emeritus, School of Social Work, effective February 1, 1970.

Arthur Tye, Professor Emeritus, College of Pharmacy, effective February 1, 1970.

Upon motion of Mr. Safford, seconded by Mr. Hilliker, the Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
November 22, 1969 - January 16, 1970

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	25	\$ 961,631.00
Industrial and Other Research	3	45,019.00
<u>Grants</u>		
Government Research - Federal	20	508,014.00
Industrial and Other Research	9	<u>90,928.26</u>
Totals	57	\$1,605,592.26

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of the Army, U. S. Army Medical Research and Development Command, Washington, D. C., Studies in Piloting Performance Under Stress (to be known as U. S. Army Medical Research and Development Command Project No. 1857 - Amend. #9 - Department of Preventive Medicine).  
Gross Value - \$38,735.00.
- b. Department of the Army, U. S. Army Edgewood Arsenal, Edgewood Arsenal, Maryland, Development of Ferroelectric and Ferromagnetic Radiation Detectors (to be known as U. S. Army Edgewood Arsenal Project No. 2203 - Mod. #7 - Department of Mechanical Engineering).  
Gross Value - \$5,000.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Influence of Cultural Conditions and Concentration Procedures of the Antigenicity of Mycoplasma Pneumoniae Vaccines (to be known as National Institutes of Health Project No. 2356 - Mod. #5 - Department of Medical Microbiology).  
Gross Value - \$43,987.00.

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- d. Department of the Navy, Office of Naval Research, Washington, D. C., Research on and Culture of Calcareous Green Algae (to be known as Office of Naval Research Project No. 2410 - Amend. #3 - College of Biological Sciences).  
Gross Value - \$14,422.00.
- e. U. S. Department of Interior, Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife, Washington, D. C., Translocation and Bioaccumulation of C1-36 DDT in a Terrestrial System (to be known as Bureau of Sport Fisheries and Wildlife Project No. 2464 - Amend. #3 - College of Biological Sciences).  
Gross Value - \$6,535.00.
- f. U. S. Atomic Energy Commission, Argonne, Illinois, A Study of the Control of the Levels of Enzymes of Arginine Biosynthesis in Higher Plant Cells (to be known as U. S. Atomic Energy Commission Project No. 2560-B - Mod. #2 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$12,000.00.
- g. U. S. Atomic Energy Commission, Argonne, Illinois, Pulse Radiolysis of Organic and Aquo-Organic Systems (to be known as U. S. Atomic Energy Commission Project No. 2589-B - Mod. #2 - Department of Chemistry).  
Gross Value - \$41,513.00.
- h. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 2638 - Mod. #5 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$1,700.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Research Contracts Branch, Bethesda, Maryland, Identification, Isolation and Culture of Mites (to be known as National Institutes of Health Project No. 2740 - Mod. #2 - College of Biological Sciences - Entomology).  
Gross Value - \$300.00.
- j. Department of the Army, U. S. Army Research Office - Durham, Durham, North Carolina, An Investigation of Chemically Assisted Lasers (to be known as U. S. Army Research Office - Durham Project No. 2745 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$4,500.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- k. Department of the Air Force, Electronic Systems Division, Air Force Systems Command, Bedford, Massachusetts, The External Gravity Potential on the Earth and Gravity Dependent Geodetic Parameters (to be known as Electronic Systems Division, Air Force Systems Command Project No. 2758 - Mod. #1 - Department of Geodetic Science).  
Gross Value - \$61,000.00.
- l. Department of the Air Force, Electronic Systems Division, Air Force Systems Command, Bedford, Massachusetts, The External Gravity Potential on the Earth and Gravity Dependent Geodetic Parameters (to be known as Electronic Systems Division, Air Force Systems Command Project No. 2758-A - Mod. #1 - Department of Geodetic Science).  
Gross Value - \$34,000.00.
- m. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Research on the Pharmacology of TVOPA (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2828 - Mod. #1 - Department of Preventive Medicine).  
Gross Value - \$35,068.00.
- n. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 2855 - Mod. #1 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$300,000.00.
- o. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - Civil Engineering School (to be known as Air Force Institute of Technology Project No. 2855-A - Mod. #2 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$12,097.00.
- p. U. S. Atomic Energy Commission, Argonne, Illinois, A Study of the Mechanism of Stress Corrosion Cracking in Iron-Nickel-Chromium Alloy System (to be known as U. S. Atomic Energy Commission Project No. 2958 - New - Department of Metallurgical Engineering).  
Gross Value - \$107,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- q. Navy Purchasing Office, Los Angeles, California, Sea-Surface Effects on Air-Water Optical Communications (to be known as Navy Purchasing Office Project No. 2959 - New - Department of Electrical Engineering).  
Gross Value - \$39,500.00.
- r. Rome Air Development Center, Griffiss Air Force Base, New York, Photogrammetric Range Exploitation (to be known as Rome Air Development Center Project No. 2963 - New - Department of Geodetic Science).  
Gross Value - \$33,173.00.
- s. Department of the Air Force, Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Degradation Mechanisms of Pigmented Coatings (to be known as Aeronautical Systems Division, Air Force Systems Command Project No. 2965 - Amend. #1 - Department of Ceramic Engineering).  
Gross Value - \$6,615.00.
- t. Department of the Navy, Office of Naval Research, Washington, D. C., Nucleation and Propagation Kinetics of Crystal Dissolution and Growth (to be known as Office of Naval Research Project No. 2966 - New - Department of Metallurgical Engineering).  
Gross Value - \$22,000.00.
- u. U. S. Air Force, Rome Air Development Center, Procurement Division, Griffiss Air Force Base, New York, Analytical Photogrammetry (to be known as Rome Air Development Center Project No. 2968 - New - Department of Geodetic Science).  
Gross Value - \$20,394.00.
- v. Department of the Navy, Naval Air Systems Command, Washington, D. C., Radome Boresight Analysis by Wedge Diffraction - Surface Integration Approach (to be known as Naval Air Systems Command Project No. 2969 - New - Department of Electrical Engineering).  
Gross Value - \$34,992.00.
- w. Electronic Systems Division, Air Force Systems Command, U. S. Air Force, L. G. Hanscom Field, Bedford, Massachusetts, Electro-Magnetic Scattering Research (to be known as Electronic Systems Division, Air Force Systems Command Project No. 2971 - New - Department of Electrical Engineering).  
Gross Value - \$45,000.00.

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- x. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Transpiration Cooling (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2977 - New - Department of Mechanical Engineering).  
Gross Value - \$18,000.00.
- y. Department of the Army, Army Weapons Command, Rock Island, Illinois, Weapons Dynamics - Gas Dynamics Study (to be known as Army Weapons Command Project No. 2979 - New - Department of Mechanical Engineering).  
Gross Value - \$24,100.00.

TOTAL - Government Research Contracts - Federal \$961,631.00

2. Industrial and Other Research Contracts

- a. International Lead Zinc Research Organization, Inc., New York, New York, Study of the Effect of Lead on the Respiratory Activity of Erythropoietic Cells (to be known as International Lead Zinc Research Organization, Inc., Project No. 2981 - New - Department of Physiology).  
Gross Value - \$15,579.00.
- b. University of Dayton Research Institute, Dayton, Ohio, Provide Aerodynamic Design of a Wind Tunnel Nozzle (to be known as University of Dayton Research Institute Project No. 2984 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$1,600.00.
- c. Technovation Management, Inc., Denver, Colorado, Elimination of Shrinking Defects in Cast Metal Engineering (to be known as Technovation Management, Inc., Project No. 2985 - New - Department of Metallurgical Engineering).  
Gross Value - \$27,840.00.

TOTAL - Industrial and Other Research Contracts \$45,019.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Studies on Larval and Adult Mosquitoes (to be known as National Institutes of Health Project No. 702-M - Ext. #13 - College of Biological Sciences - Entomology).  
Gross Value - \$23,724.00.

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Mental Health, Bethesda, Maryland, Studies in Learning and Perception (to be known as National Institutes of Health Project No. 887-K - Ext. #11 - Department of Psychology).  
Gross Value - \$29,081.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Southwest Cooperative Chemotherapy Study Group (to be known as National Institutes of Health Project No. 1094-J - Ext. #10 - Department of Medicine).  
Gross Value - \$48,803.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Comparative Biochemistry of Normal and Diseased Hearts (to be known as National Institutes of Health Project No. 1100-H - Ext. #8 - Department of Surgery).  
Gross Value - \$49,394.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Enzyme Characterization in Hemolytic Anemias (to be known as National Institutes of Health Project No. 1634-F - Ext. #6 - Department of Physiological Chemistry).  
Gross Value - \$25,749.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Blood PO<sub>2</sub>-Artery QO<sub>2</sub> Relationship and Atherosclerosis (to be known as National Institutes of Health Project No. 1800-F - Ext. #6 - Department of Physiology).  
Gross Value - \$16,243.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Neuroendocrine Mechanisms Controlling Organ Perfusion (to be known as National Institutes of Health Project No. 1882-E - Sup. #2 - Department of Psychiatry).  
Gross Value - \$865.00.



February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Renal Lymph and Renal Function (to be known as National Institutes of Health Project No. 2308-C - Ext. #3 - Department of Physiology).  
Gross Value - \$23,087.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Studies on in Vivo Growth of Staphylococci (to be known as National Institutes of Health Project No. 2330-C - Ext. #3 - Department of Medical Microbiology).  
Gross Value - \$26,921.00.
- j. National Aeronautics and Space Administration, Washington, D. C., Data Analysis of Geodetic Satellite (to be known as National Aeronautics and Space Administration Project No. 2514 - Sup. #3 - Department of Geodetic Science).  
Gross Value - \$15,000.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Investigation on Containing Enzymes (to be known as National Institutes of Health Project No. 2529-C - Ext. #3 - Department of Medicine).  
Gross Value - \$21,278.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Fellowship Supply Allowance Award (to be known as National Institutes of Health Project No. 2742 - Ext. #1 - Department of Veterinary Pathology).  
Gross Value - \$1,000.00.
- m. U. S. Air Force, Air Force Office of Scientific Research, Arlington, Virginia, Research on Rotating R-F Field Plasma (to be known as Air Force Office of Scientific Research Project No. 2760-A - Mod. #A - Department of Physics).  
Gross Value - \$25,000.00.

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Division of Research Facilities and Resources, Bethesda, Maryland, General Research Support Grant (to be known as National Institutes of Health Project No. 2776-A-1 - Ext. #1 - College of Veterinary Medicine).  
Gross Value - \$76,183.00.
- o. National Aeronautics and Space Administration, Electronics Research Center, Cambridge, Massachusetts, A Study of High Performance Antenna Systems for Space Communication (to be known as National Aeronautics and Space Administration Project No. 2902 - Amend. #1 - Department of Electrical Engineering).  
Gross Value - \$18,000.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Orthopaedic Importance of Chondromucoproteins (to be known as National Institutes of Health Project No. 2967 - New - Department of Surgery).  
Gross Value - \$31,465.00.
- q. National Science Foundation, Washington, D. C., Effects of Recent Volcanic Eruptions on the Glaciers of Deception Island (to be known as National Science Foundation Project No. 2973 - New - Institute of Polar Studies).  
Gross Value - \$24,500.00.
- r. National Science Foundation, Washington, D. C., Spectrophotometry of Planetary Nebulae (to be known as National Science Foundation Project No. 2974 - New - Department of Astronomy).  
Gross Value - \$31,400.00.
- s. National Science Foundation, Washington, D. C., Annual Symposia on Molecular Structure and Spectroscopy (to be known as National Science Foundation Project No. 2983 - New - Department of Physics).  
Gross Value - \$8,700.00.
- t. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Correlative Postnatal Vestibular Development (to be known as National Institutes of Health Project No. 2988 - New - Department of Anatomy).  
Gross Value - \$11,621.00.

TOTAL - Government Research Grants \$508,014.00

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants

- a. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Renewal - Checks Nos. C662358, C665507, C665947, C665948, C677164, C679671, C681756, C682044 and C688310 - Department of Surgery).  
Gross Value - \$7,055.26.
- b. The Deafness Research Foundation, New York, New York, Acquired Cholesteatoma (to be known as The Deafness Research Foundation Project No. 2580-B - Ext. #2 - Department of Otolaryngology).  
Gross Value - \$8,566.00.
- c. Construction Advancement Program of Central Ohio, Columbus, Ohio, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as Construction Advancement Program of Central Ohio Project No. 2952 - Sup. #3 - College of Education).  
Gross Value - \$1,000.00.
- d. The Associated General Contractors of America, Detroit Chapter, Inc., Detroit, Michigan, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as The Associated General Contractors of America, Detroit Chapter, Inc., Project No. 2952 - Sup. #4 - College of Education).  
Gross Value - \$2,000.00.
- e. Construction Advancement Program of Greater Cincinnati, Cincinnati, Ohio; Master Builders of Iowa, Des Moines, Iowa; The Associated General Contractors of America, Inc., Seattle, Washington, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as Construction Advancement Program of Greater Cincinnati; Master Builders of Iowa; The Associated General Contractors of America, Inc., Project No. 2952 - Sup. #5 - College of Education).  
Gross Value - \$4,000.00.
- f. The Petroleum Research Fund, American Chemical Society, Washington, D. C., Oxidation by Palladium (II) (to be known as American Chemical Society Project No. 2970 - New - Department of Chemistry).  
Gross Value - \$26,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- g. Grote Reber, Radio Observatory, Delaware, Ohio, Analysis of Cosmic Ray Pictures (to be known as Grote Reber, Radio Observatory Project No. 2972 - New - Department of Physics). Gross Value - \$500.00.
- h. American Cancer Society, Inc., New York, New York, Longitudinal Study of Precancerous Lesions (to be known as American Cancer Society, Inc., Project No. 2975 - New - College of Dentistry). Gross Value - \$30,257.00.
- i. The Deafness Research Foundation, New York, New York, Scanning Electron Microscopic Investigation of the Inner Ear (to be known as The Deafness Research Foundation Project No. 2982 - New - Department of Otolaryngology). Gross Value - \$11,550.00.

TOTAL - Industrial and Other Research Grants \$90,928.26

Upon motion of Mr. Harrod, seconded by Mr. Eckley, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous roll call vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contracts	2	\$227,232.00

During the period from November 21, 1969 through January 16, 1970, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contracts

- EES 354X Technical Assistance to the Board of Building Standards in Implementation of Revisions to Chapters 3781 and 3791 ORC Enacted by the 108th Ohio General Assembly, Ohio Department of Industrial Relations, Columbus, Ohio.  
Gross Value - \$57,600.00.

February 12, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

1. Government Research Contracts (continued)

EES 276X      An Investigation of Highway Automation, Ohio Department  
                    of Highways, Columbus, Ohio.  
                    Gross Value - \$169, 632. 00.

C. Agreement Between The Ohio State University and Ashland College

President Fawcett recommended that an Agreement between The Ohio State University and Ashland College to provide for selected students in Biology from Ashland College to be given the opportunity to participate in the summer programs conducted at the Franz Theodore Stone Laboratory at Put-in-Bay by The Ohio State University be approved. These programs, mutually approved by Ashland College and the College of Biological Sciences of The Ohio State University, may be of one term or two terms in duration. The major objective of this program is to make available to qualified biology science majors the opportunity to receive, through field and laboratory experience, additional preparation for graduate or professional study.

Ashland College agrees to pay for the instructional, general and special laboratory fees incurred by the students and, when applicable, for room and board.

It was recommended further that the President be authorized to sign said Agreement on behalf of the University.

Upon motion of Mr. Dunlap, seconded by Mr. Safford, the Board of Trustees approved the above recommendations by unanimous roll call vote.

D. Agreement Between The Ohio State University and  
the Ohio Highway Transportation Research Board

President Fawcett recommended that an Agreement between The Ohio State University, through its Board of Trustees, and the Ohio Highway Transportation Research Board be approved. Amended Substitute Senate Bill No. 306, enacted by the 108th General Assembly of the State of Ohio, created the Ohio Highway Transportation Research Center and placed this Center under the control, management, supervision and direction of the Ohio Highway Transportation Research Board. The Act provided further for the transfer to this Board of land owned by the State and administered by The Ohio State University for transportation research in Union and Logan Counties, the total land area which has been acquired, or in the process of being acquired, is approximately 8, 100 acres.

It was recommended further that the President be authorized to sign said Agreement on behalf of the University.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the Board of Trustees approved the above recommendations by unanimous roll call vote.

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February 12, 1970 meeting, Board of Trustees

#### IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since December 11, 1969, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

#### S U M M A R Y

Administered Through the Office of Business and Finance	\$1, 416, 082. 00
Received Through The Ohio State University Development Fund	670, 627. 84

##### A. Administered Through the Office of Business and Finance

1. \$432, 018. 00 granted by Department of Health, Education and Welfare, Office of Education, Bureau of Higher Education, Washington, D. C. 20202, to the University for the College Work-Study Program for the period January 1, 1970 through June 30, 1970. (Transaction Award No. 06198461)
2. \$349, 869. 00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "General Research Support Grant, " under the direction of the College of Medicine, for the period January 1, 1970 through December 31, 1970. (Grant No. 5 S01 RR05409-09)
3. \$104, 597. 00 granted by National Science Foundation, Washington, D. C. 20550, to the University for "Administration of Institutional Grants for Science. " (GU-3637)
4. \$104, 339. 00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Summer Institute in Mathematics for Secondary School Teachers, 1970, " under the direction of the Department of Mathematics. This grant terminates on September 30, 1970. (GW-4585)
5. \$95, 651. 00 granted by National Aeronautics and Space Administration, Washington, D. C. 20546, to the University for support of "Specialized Post-M. D. Training in Aerospace Medicine, " for a period of two years beginning July 1, 1970. (NGT 36-008-007)
6. \$52, 680. 00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Summer Institute in Computer and Information Science for Secondary School Teachers, 1970, " under the direction of the Department of Computer and Information Science. This grant terminates on September 30, 1970. (GW-4715)

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$48,670.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Summer Institute in Geology and Science for Secondary School Teachers, 1970," under the direction of the Department of Geology. This grant terminates on September 30, 1970. (GW-4568)
8. \$44,547.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Cooperative College-School Science Program," under the direction of the College of Education - Faculty of Science and Mathematics. This grant terminates on June 30, 1971. (GW-5117)
9. \$41,946.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Summer Institute in Science for Secondary School Teachers, 1970," under the direction of the College of Education. This grant terminates on September 30, 1970. (GW-4894)
10. \$32,044.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Student Science Training Program (Pre-College)," under the direction of the Department of Mathematics. This grant terminates on October 31, 1970. (GW-5276)
11. \$22,680.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Undergraduate Research Participation," under the direction of the College of Pharmacy. This grant terminates on October 31, 1970. (GY-7446)
12. \$22,153.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Sarcoid Etiology Effect of SN on OX-DNA Replication," for a Development Award - Research Career Program, under the direction of the Department of Medical Microbiology, for the period January 1, 1970 through December 31, 1970. (Grant No. 5 K03 AI05714-03)
13. \$20,550.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Undergraduate Research Participation," under the direction of the Department of Chemistry. This grant terminates on October 31, 1970. (GY-7213)
14. \$19,720.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Undergraduate Research Participation," under the direction of the Department of Physics. This grant terminates on October 31, 1970. (GY-7326)

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

15. \$13,874.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Student Science Training Program (Pre-College)," under the direction of the College of Engineering. This grant terminates on October 31, 1970. (GW-5287)
16. \$8,500.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for support of "Undergraduate Research Participation," under the direction of the Department of Economics. This grant terminates on July 31, 1971. (GY-7290)
17. \$1,244.00 additional grant by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Electropharmacological Control of Cardiac Function," under the direction of the Department of Pharmacology, for the period January 1, 1970 through June 30, 1970. (Grant No. 3 K03 HE11929-06S1)
18. \$1,000.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for a Fellowship Supply Allowance Award, under the direction of the Department of Chemistry, for the period September 1, 1969 through August 31, 1970. (Grant No. 1 F3 AP 41, 091-01A1)

TOTAL - Administered Through the Office of Business and Finance -  
\$1,416,082.00

B. Received Through The Ohio State University Development Fund

1. \$120,000.00 in securities from Everett D. Reese for the Everett D. Reese Chair of Banking and Monetary Economics.
2. \$111,373.75 from the Trust under the Will of Taine G. McDougal for the Taine G. McDougal Professorship in Engineering.
3. \$30,000.00 from The City National Bank & Trust Company, Columbus, Ohio, for the Center for Tomorrow Fund.
4. \$22,042.00 from Bell Telephone Laboratories, Columbus, Ohio, for the Bell Telephone Teaching and Research Fund.
5. \$21,591.00 from Dr. William H. Havener--\$12,327.00 for the Ophthalmology Teaching Fund and \$9,264.00 for the Ophthalmologic Center Fund.



IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

6. \$20,000.00 from the C. R. Porthouse Charitable Trust and the Porthouse Foundation, Ravenna, Ohio, (In the names of Roberta A., Jacqueline S., J. David, Roberta D. and C. R. Porthouse), for the Joseph H. Koffolt Undergraduate Scholarship Award in Chemical Engineering.
7. \$20,000.00 from the Schumacher Foundation, Columbus, Ohio, for the Schumacher Fund for the Center of Research in Arts and Technology.
8. \$19,822.91 through a bequest from Professor Emeritus Louis H. Burgwald and Mrs. Lillian Bridge Burgwald, late of Sarasota, Florida, and friends for the establishment of the Louis H. and Lillian B. Burgwald Memorial Fund.

Louis H. and Lillian B. Burgwald Memorial Fund

The Louis H. and Lillian B. Burgwald Memorial Fund was established February 12, 1970, by the Board of Trustees of The Ohio State University with a bequest from Professor Emeritus Louis H. Burgwald, B.Sc. in Agr. '14, and Lillian Bridge Burgwald, late of Sarasota, Florida, and with gifts from friends through The Ohio State University Development Fund.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for research and scholarships in the Department of Dairy Technology.

Should the Department of Dairy Technology cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in dairy technology.

9. \$15,000.00 from Atlantic City Racing Association, Atlantic City, New Jersey, for support of the Research Professorship in Equine Medicine.
10. \$12,500.00 from The Huntington National Bank, Columbus, Ohio, for the Center for Tomorrow Fund.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

11. \$12,500.00 from Midwestern VW Corporation, Columbus, Ohio, for the Center for Tomorrow Fund.
12. \$11,606.25 from William F. Patten for the Presidents Club Special Fund.
13. \$11,002.00 from General Motors Corporation, Detroit, Michigan, for the General Motors Corporation Scholarship Fund.
14. \$10,000.00 from The Bremer Foundation, (In the name of Mrs. Marie Bremer), for The Bremer Foundation Fund.
15. \$9,181.25 from the Morris Animal Foundation for the Mark L. Morris Animal Foundation in the College of Veterinary Medicine.
16. \$8,850.00 from Ralph W. Kurtz, Coshocton, Ohio, for the Harkers Fund.
17. \$8,000.00 from The F. & R. Lazarus & Company, Columbus, Ohio, for the Center for Tomorrow Fund.
18. \$7,592.97 from Children's Hospital - Dispatch Charities Pro-Am Championship for the Robert K. Barton Memorial Fund.
19. \$7,129.67 from Cincinnati Community Gardens, Cincinnati, Ohio, for the Mrs. Simon Kuhn Scholarship Fund.
20. \$6,244.37 from Harvey S. Firestone, Jr. --\$5,226.87 for the Center for Tomorrow Fund and \$1,017.50 for the Student Affairs Leadership and Aid Fund.
21. \$6,075.10 from Anchor Hocking Corporation, Lancaster, Ohio--\$5,000.00 for the Center for Tomorrow Fund and \$1,075.10 for the College of Administrative Science Fund.
22. \$5,087.50 from Mrs. Hazel Zeller Nesbitt for the Center for Tomorrow Fund.
23. \$5,000.00 from Buckeye Federal Savings & Loan Association, Columbus, Ohio, for the Center for Tomorrow Fund.
24. \$5,000.00 from Burgess and Niple, Limited, for the Center for Tomorrow Fund.
25. \$5,000.00 from the Robert H. & Elizabeth D. Fergus Trust, (In the names of Mr. and Mrs. Robert H. Fergus), for the Artificial Football Turf Fund.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

26. \$5,000.00 from the Estate of Mary W. Pomerene for the Frank E. and Mary W. Pomerene Memorial Fund in the College of Medicine.
27. \$5,000.00 from Ohio Contractors Association, Columbus, Ohio, for a Lectureship in Construction Engineering.
28. \$5,000.00 from Theodore B. Smith for the Alpheus W. Smith Lectureship Fund.
29. \$5,000.00 from Standard Oil (Indiana) Foundation--\$3,000.00 for the Distinguished Teachers Awards and \$2,000.00 for the Presidents Special Fund.
30. \$5,000.00 from Warren-Teed Pharmaceuticals, Inc., for the Gastroenterology Research Fund.
31. \$4,687.40 from John W. Paynter for the John W. and Elizabeth Paynter Scholarship Fund.
32. \$4,500.00 from Champion Spark Plug Company for the Champion Spark Plug Company Fellowship in Ceramic Engineering.
33. \$4,500.00 from Owens-Illinois, Inc., for the Owens-Illinois Fellowship in Ceramic Engineering.
34. \$4,485.00 from the Trust under the Will of Anna Roessler for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
35. \$4,468.14 from Lawrence D. Stanley for the Lawrence D. Stanley Fund for College of Law.
36. \$4,000.00 from Esso Education Foundation, 49 West 49th Street, New York, New York, for the Esso Postgraduate Fellowship in Chemistry.
37. \$4,000.00 from Dr. William A. Hammond for the William A. Hammond Lectureship Fund.
38. \$3,500.00 from Nationwide Foundation for the Nationwide Foundation Fellowship Fund in Industrial Engineering.
39. \$3,500.00 from Ohio Mobile Home and Recreational Vehicle Association for the Ohio Mobile Home and Recreational Vehicle Association Fellowship in City Planning.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

40. \$3,412.75 from Robert M. Critchfield for the Robert M. Critchfield Fund for Engineering.
41. \$3,339.00 from the family and friends of James I. Hambleton for the establishment of the James I. Hambleton Apiculture Memorial Award Fund.

James I. Hambleton Apiculture Memorial Award Fund

The James I. Hambleton Apiculture Memorial Award Fund was established February 12, 1970, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of James I. Hambleton, B.Sc. in Agr. '17, late of Brookeville, Maryland.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used for awards to students pursuing research in the College of Biological Sciences with honeybees.

Should the College of Biological Sciences cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in apiculture.

42. \$3,325.00 from Dr. Louis Bloomberg for the Ophthalmologic Center Fund.
43. \$3,200.00 from Nashua Corporation, Nashua, New Hampshire, for the Molecular Solid State Fund.
44. \$3,000.00 from Ernst & Ernst Foundation, (In the name of C. Kenneth Smith), for the Ernst & Ernst Foundation Accounting Program Fund.
45. \$3,000.00 from Miss Irene D. Hirsch for the Crime and Delinquency Research Fund.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

46. \$2,947.83 from the Pinedale-Rochdale Student Fund for the establishment of the Martin Luther King, Jr., Memorial Scholarship Fund.

Martin Luther King, Jr., Memorial Scholarship Fund

The Martin Luther King, Jr., Memorial Scholarship Fund was established February 12, 1970, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Pinedale-Rochdale Student Fund.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used annually to provide one or more scholarships to two students selected by the University Scholarship Committee, with the request that first preference be given to members of the Negro race.

47. \$2,600.00 from Dr. and Mrs. William R. Flesher--\$2,100.00 for the T. C. Holy Fund and \$500.00 for the Flesher Fellowship Fund.
48. \$2,525.00 from Mr. Oscar E. Carlin for the Oscar E., Florence P., David P. and Phillip E. Carlin Scholarship Fund.
49. \$2,525.00 from Mrs. Florence Postle Carlin for the Oscar E., Florence P., David P. and Phillip E. Carlin Scholarship Fund.
50. \$2,500.00 from Forging Industry Educational and Research Foundation, (In the names of David E. Tilton, Earl M. Tilton, Mrs. Ann T. King and Mrs. Martha T. Reissig)--\$1,250.00 for the Earl M. Tilton Professorship in Mechanical Metallurgy and \$1,250.00 for the FIE&R Educational Foundation Fund.
51. \$2,492.48 from Mr. W. Milfred Batten for the Presidents Club Special Fund.
52. \$2,450.00 from John D. Drinko, (In the name of Mrs. Elizabeth C. Drinko), for the John W. Bricker Professorship in the College of Law.
53. \$2,425.00 from The Upjohn Company for the Upjohn Company Research in Thoracic Surgery Fund.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

54. \$2,406.25 from Ervin G. Bailey for the Ervin G. Bailey Fund for Engineering.
55. \$2,001.20 from Dr. Samuel A. Marable for the General Surgery Fund in the College of Medicine.
56. \$2,000.00 from Mrs. Constance Corkwell Baldwin for the Gail M. Blakeley, Jr., Memorial Fund.
57. \$2,000.00 from Cleveland Institute of Electronics, (In the name of Mrs. Elizabeth C. Drinko), for the John W. Bricker Professorship in the College of Law.
58. \$2,000.00 from Mrs. Lillian Zinn Cooperrider for the James Harvey Zinn Memorial Loan Fund.
59. \$2,000.00 from Mr. Raymond E. Mason, Jr., for the Presidents Club Special Fund.
60. \$2,000.00 from the Arline and Thomas Patton Foundation, (In the name of Thomas F. Patton), for the Thomas F. Patton Fund for College of Law.
61. \$1,987.50 from Mr. Charles W. Atkinson for the Charles W. Atkinson Fund.
62. \$1,974.96 from Dr. Joseph L. Bitonte for the Presidents Club Special Fund.
63. \$1,500.00 from Dr. Wendell D. Postle--\$500.00 for the Wendell D. and Helen R. Postle Loan Fund, \$500.00 for the Dentistry Centennial Fund and \$500.00 for the Student Athlete Grant-in-Aid Fund.
64. \$1,343.75 from Mr. John B. Nordholt, Jr., for the John B. Nordholt Memorial Scholarship Fund.
65. \$1,146.00 from Mr. Melvin H. Villhauer for the Arthur Young Professorship in Accounting.
66. \$1,079.00 from Mr. Arthur E. Shepard--\$1,000.00 for the Charles W. Griffith Memorial Fund and \$79.00 as an undesignated gift to the University.
67. \$1,073.56 from C. Simeral Bunch for the College of Law Award for Academic Excellence.
68. \$1,065.25 from Mr. William K. Westwater for the Hugh E. Nesbitt Memorial Fund.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

69. \$1,041.00 from Dr. Chester C. Winter for the Fund for Progress in Urology.
70. \$1,028.00 from Mr. Alan B. Loop for the College of Law Student Financial Aids Fund.
71. \$1,000.00 from the Raymond Q. Armington Ten-Year Trust, (In the name of Raymond Q. Armington), for the Raymond Q. Armington Fund for Engineering.
72. \$1,000.00 from Dr. James E. Bennett for the Ophthalmologic Center Fund.
73. \$1,000.00 from Mr. John W. Bricker for the Novice G. Fawcett Professorship in Educational Administration.
74. \$1,000.00 from Harriet Day Bricker (Mrs. John W.) for the John W. Bricker Professorship in the College of Law.
75. \$1,000.00 from Mr. Harrison H. Buel for the Department of Athletics Discretionary Fund.
76. \$1,000.00 from Chemineer, Inc., (In the name of Dr. Robert L. Bates), for the Joseph H. Koffolt Undergraduate Scholarship Award in Chemical Engineering.
77. \$1,000.00 from C. I. E., Inc., (In the name of Mrs. Elizabeth C. Drinko), for the Isadore and Ida Topper Fund.
78. \$1,000.00 from Dr. James J. Cromer for the Dentistry Centennial Fund.
79. \$1,000.00 from Paul H. Curtiss, Jr., M.D., and friends for the establishment of the Paul H. Curtiss, Sr., Orthopaedic Endowment Fund.

Paul H. Curtiss, Sr., Orthopaedic Endowment Fund

The Paul H. Curtiss, Sr., Orthopaedic Endowment Fund was established February 12, 1970, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Paul H. Curtiss, Jr., M.D., Columbus, Ohio, and friends in memory of Paul H. Curtiss, Sr.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

79. Paul H. Curtiss, Sr., Orthopaedic Endowment Fund (continued)

The annual income is to be used to support the program of the Division of Orthopaedics in the Department of Surgery of the College of Medicine, upon the recommendation of the Director of said Division of Orthopaedics.

Should the Division of Orthopaedics cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for medical education in orthopaedics.

- 80. \$1,000.00 from Mr. Frederick R. Eckley, Jr., as an unrestricted gift to the University.
- 81. \$1,000.00 from Dr. Raymond B. Giles as an unrestricted gift to the University.
- 82. \$1,000.00 from Dr. James R. Hull--\$500.00 for the James R. Hull Fund and \$500.00 for the Novice G. Fawcett Professorship in Educational Administration.
- 83. \$1,000.00 from Mr. Carol S. Kennedy for the Carol S. Kennedy Scholarship Fund.
- 84. \$1,000.00 from the Estate of Walter D. Lambert for the Department of Geodetic Science - Chairman's Discretionary Fund.
- 85. \$1,000.00 from Mr. Howard E. LeFevre for the Howard E. and Catharine Bonner LeFevre Scholarship Fund.
- 86. \$1,000.00 from The Licklider Foundation, (In the name of Ralph S. Licklider), for the Ralph S. Licklider Family Fund.
- 87. \$1,000.00 from Harry S. Littman for the John S. Knight Fund.
- 88. \$1,000.00 from Mary McGaughy Love (Mrs. John G.) for the Charles Austin Doan Fund.
- 89. \$1,000.00 from Dr. Carl B. Marquand for the Carl B. Marquand Fund for Continuing Education Center.
- 90. \$1,000.00 from Mr. Harland T. Martin for the Agricultural Education Scholarship.



February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

91. \$1,000.00 from Merck & Company, Inc., for the Merck, Sharpe & Dohme Company Research Fund.
92. \$1,000.00 from Mr. Galen F. Oman--\$500.00 for the Michael Peppe - Carl Wirthwein Scholarship Fund and \$500.00 for the Alpha Rho Chi Scholarship Fund.
93. \$1,000.00 from Dr. Claude S. Perry for the Ophthalmologic Center Fund.
94. \$1,000.00 from Mr. Donald C. Power for the Donald C. Power Fund for the College of Law.
95. \$1,000.00 from Judge Henry L. Scarlett for the Henry L. Scarlett Fund.
96. \$1,000.00 from Robert W. Setterlin and Sons Co., (In the name of Ralph F. Setterlin, Sr.), for the Ralph F. Setterlin, Sr., Fund.
97. \$1,000.00 from Mr. Frederick Stecker for the University Relations Discretionary Fund.
98. \$1,000.00 from Dr. Harold F. Wherley for the Ophthalmologic Center Fund.
99. \$1,000.00 from Mr. Edwin J. Will for the Presidents Club Special Fund.
100. \$1,000.00 from Wodecroft Foundation, (In the name of Roger Drackett), for the Presidents Club Special Fund.

TOTAL - Received Through The Ohio State University Development Fund -  
\$670,627.84

C. Gifts-in-Kind

1. An Ivory Pagoda, Imari Vase, Schiller Vase, Goethe Vase, two Middle-Eastern Vases, two French Vases and a Chinese Scroll from Mr. and Mrs. Christian E. Burckel.
2. A Fully Focusing Dispersive Spectrometer System from Materials Analysis Company, Palo Alto, California, for use in the Department of Metallurgical Engineering.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Gifts-in-Kind (continued)

3. A Lockheed Lear Star Mark I airplane from Tem-Cole, Inc., McClure, Ohio, for the Department of Aviation.
4. A SR-1000 Ft. Remote Control Unit (RHC-3-WR); 100 amp. Welder (108SA with Scott Tandem Taps); AC-DC High Frequency Unit (300A/DPS) Foot Control RFC-23-A; and AC-DC Welder (250-AC-DC) from Miller Electric Company, Appleton, Wisconsin, for use in the Department of Welding Engineering.
5. A Plasmatron from Republic Steel Corporation for use in the Department of Ceramic Engineering.
6. A collection of clothing from Harvey S. Firestone, Jr., for use in the School of Home Economics and Division of Theatre.
7. A 1969 Buick Electra from Buick Motor Division - General Motors Corporation for the Engineering Experiment Station.
8. A Reliance 40 HP Solid State D-C Variable Speed Drive from Reliance Electric Company for use in the Department of Chemical Engineering.
9. Radio equipment from Mr. Jack J. Eggspuehler for the University Airport.
10. Polar book collection, including paperbacks, pressboard folders and journal and pamphlet series from Dr. Richard P. Goldthwait for the Institute of Polar Studies.
11. Cutting tools from Mr. David Morganstern for use in the Department of Industrial Engineering.
12. Various supplies from Johns-Manville Sales Corporation, Inc., Insulating Division, for the Department of Ceramic Engineering.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the acceptance of the foregoing grants and gifts and the establishment of the above-named funds were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

February 12, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund

1. Month of November, 1969

In November, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,651	\$ 133,717.12
Individuals other than alumni	1,836	78,421.50
Business concerns	76	94,655.92
Nonprofit organizations	48	70,011.11
	<u>4,611</u>	<u>\$ 376,805.65</u>

Of these gifts, 1,836 totaling \$21,067.25 were undesignated and 2,775 totaling \$355,738.40 were designated.

2. Month of December, 1969

In December, 1969, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	4,858	\$ 879,103.91
Individuals other than alumni	520	580,167.06
Business concerns	43	135,904.24
Nonprofit organizations	56	147,660.03
	<u>5,477</u>	<u>\$1,742,835.24</u>

Of these gifts, 3,590 totaling \$45,741.04 were undesignated and 1,887 totaling \$1,697,094.20 were designated.

3. Annual Report, 1969

The totals for the calendar year 1969, January 1 to December 31, inclusive, were as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	30,330	\$2,457,164.40
Individuals other than alumni	3,810	991,863.40
Business concerns	416	929,196.25
Nonprofit organizations	503	2,267,324.82
	<u>35,059</u>	<u>\$6,645,548.87</u>

Of these gifts, 21,866 totaling \$230,199.12 were undesignated and 13,193 totaling \$6,415,349.75 were designated.

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February 12, 1970 meeting, Board of Trustees

V. APPROPRIATION AND TRANSFER OF FUNDS

A. Lima and Mansfield Technical Institutes -  
Appropriation for Loose Equipment

The Ohio Board of Regents has requested that the Board of Trustees of The Ohio State University approve the transfer of \$500,000 appropriated in H. B. 531 for equipping the technical building at Lima to Penta-County Technical Institute and the transfer of \$400,000 appropriated in H. B. 531 for the purpose of equipping the technical building at Mansfield to the North Central Technical Institute.

President Fawcett recommended therefore that these transfers be approved in accordance with the concept that loose equipment shall be procured, maintained and inventoried by the using agency.

It was recommended further that the Vice President for Business and Finance be authorized to request the Board of Regents to seek the approval of the State Controlling Board for these transfers.

Upon motion of Mr. Hilliker, seconded by Mr. Harrod, the above recommendations were approved by unanimous roll call vote.

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VI. EXTRAS AND CREDITS TO CONTRACTS

On July 13, 1967, the Board of Trustees authorized the Vice President for Business and Finance to approve change orders which were necessary to expedite completion of construction projects. In accordance with this authorization, all extra and credit orders to contracts which have been completed were reported.

A. Newark Branch Campus

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$1,869,592.00	\$1,940,256.04	\$70,664.04

Funds for this project were provided from House Bills 949, 886 and 828; Budget Account 191456 (Newark Operating Budget); and Budget Account 531160 and Budget Account 531151 (Local Community Contributions).

B. Golf Course Club House

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 552,816.00	\$ 546,594.63	(\$6,221.37)

Funds for this project were provided from the Athletic Department Revenue Fund.

VI. EXTRAS AND CREDITS TO CONTRACTS (continued)

C. Medical Center Utilities

<u>Original Contract Cost</u>	<u>Total Construction Cost</u>	<u>Total Change Order Cost</u>
\$ 929,019.15	\$ 906,727.79	(\$22,291.36)

Funds for this project were provided from House Bills 202, 886 and 828.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above extra and credit orders to contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Olentangy River - Channel Improvements

The Olentangy River Freeway relocation is taking approximately 20 to 25 feet off the west bank of the river. In order to keep the river channel open, it is necessary to widen the east bank of the river. This project will include widening with complete landscaping.

Funds for this project will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way and be made available in Budget Account 801219.

B. Street and Curb Repairs - 1969-70

This project will repair street base and provide resurfacing of streets with asphaltic concrete; repair and/or replace existing deteriorating or destroyed curbing; and adjust all manholes, valve boxes and storm inlets to the new grade for several Campus streets.

Funds for this project have been provided in Budget Account 124358 (Contract Repair).

C. Ohio Stadium - Painting Steel Work for "C" Deck

This project provides sandblasting the steel removing all rust and scale; inspecting the steel as necessary to determine where severe rusting has occurred; and painting the steel. During this project the concrete will also be examined to determine what repair work is needed on the concrete.

VII. PLANS AND SPECIFICATIONS (continued)

C. Ohio Stadium - Painting Steel Work for "C" Deck (continued)

Funds for this project have been provided in Budget Account 999000 (Athletic Revenue Funds).

Upon motion of Mr. Eckley, seconded by Mr. Hilliker, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

A. University Affiliated Facility for the Mentally Retarded

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(4 bids received 1-13-70)		
Knowlton Construction Company		
(Bellefontaine, Ohio)		
Base bid	\$2,333,000.00	\$2,525,000.00
Alt. G-1 Rolling counter shutter		
between Dining Area and Kitchen	1,600.00	1,260.00
Alt. G-2 Operable wall in Dining Room	4,700.00	8,120.00
Alt. G-3 Acoustic enclosure for Room		
293B and constructing Room 293A	11,600.00	7,650.00
Alt. G-4 Elevator N-3	51,200.00	47,880.00
Alt. G-5 Elevator S-3	53,000.00	50,000.00
Alt. G-12 Omit concrete panels where		
TV cable trays installed	N/C	N/C
Total Contract	<u>\$2,455,100.00</u>	<u>\$2,640,310.00</u>
<u>Plumbing Contract</u>		
(6 bids received 1-13-70)		
The Gesling Co. (Lancaster)		
Base bid	\$ 319,450.00	\$ 345,500.00
Alt. P-1 Vacuum cleaning system	9,775.00	9,700.00
Total Contract	<u>\$ 329,225.00</u>	<u>\$ 355,200.00</u>

February 12, 1970 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. University Affiliated Facility for the Mentally Retarded (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(5 bids received 1-13-70)		
Limbach Company (Columbus)		
Base bid	\$ 809,175.00	\$ 831,500.00
Alt. H-1 Acoustic enclosure for Room		
293B and Room 293A	N/C	300.00
Total Contract	<u>\$ 809,175.00</u>	<u>\$ 831,800.00</u>
<u>Electrical Contract</u>		
(7 bids received 1-13-70)		
McCarty Brothers Electric Co.		
(Columbus)		
Base bid	\$ 483,300.00	\$ 648,000.00
Alt. E-1 Acoustic enclosure for Room		
293B and Room 293A	40.00	N/C
Alt. E-2 Elevator N-3	400.00	1,000.00
Alt. E-3 Elevator S-3	400.00	1,000.00
Alt. E-6 Vacuum cleaning system	1,600.00	2,000.00
Alt. E-7 TV Cable trays	9,800.00	20,000.00
Total Contract	<u>\$ 495,540.00</u>	<u>\$ 672,000.00</u>
<u>Total All Contracts</u>	<u>\$4,089,040.00</u>	<u>\$4,499,310.00</u>

Funds for this project have been provided from H. B. 202, H. B. 886, H. B. 828 and a grant from the Health, Education and Welfare Department.

B. University Hospital - Electrical Distribution System in Patient Areas

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(4 bids received 1-20-70)		
Jess Howard Electric Co. (Columbus)	\$ 25,613.00	\$ 99,566.00

Funds have been provided by a transfer from University Hospital Rotary to Budget Account 801216 (Hospital Air Conditioning).

C. Starling Loving Hall - Modernization of Electrical System in "A" Wing

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(6 bids received 12-26-69)		
Reco Electric Co. (Columbus)	\$ 27,949.00	\$ 50,000.00

Funds have been provided by a transfer from University Hospital Rotary to Budget Account 801156 (Starling Loving Electrical System).

February 12, 1970 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

D. University Hospital - Improvements to Selected Patient Areas

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received 1-22-70)		
A. L. Meyer Construction Co. (Columbus)		
Base bid	\$ 28,384.00	\$ 29,800.00
Alt. G-1 Second shift for base bid	890.00	6,000.00
Total Contract	<u>\$ 29,274.00</u>	<u>\$ 35,800.00</u>

Funds for this project have been provided from the University Hospital Rotary.

E. University Hospital - Improvements to Ventilation System of 6th Floor and 8 East Nursing Stations

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Mechanical Contract</u>		
(5 bids received 1-8-70)		
Charbetz Company (Columbus)		
Base bid	\$ 10,581.00	\$ 30,800.00
Alt. M-8 58 Additional through-the-wall air conditioning units	11,774.00	23,200.00
Total Contract	<u>\$ 22,355.00</u>	<u>\$ 54,000.00</u>
<u>Electrical Contract</u>		
(3 bids received 1-8-70)		
Armstrong Electric Co. (Columbus)		
Base bid	11,457.00	37,500.00
Total All Contracts	<u>\$ 33,812.00</u>	<u>\$ 91,500.00</u>

Funds for this project have been provided by a transfer from University Hospital Rotary to Budget Account 801213 (Hospital Air Conditioning - 6th and 8th Floors).

F. Interior Decorating for 1969

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received 1-19-70)		
Harold F. Mollenauer Co. (Columbus)	\$ 47,585.00	\$ 70,975.00

Funds for this project have been provided in Budget Account 124358 (Contract Repair).



February 12, 1970 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

G. Telephone Duct System Expansion

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(3 bids received 1-6-70)		
The Fishel Company (Columbus)		
Base bid	\$ 109,620.00	\$ 141,075.00
Alt. G-1 Connection of Medical Center		
Area to new OBT Building	28,035.00	13,000.00
Total Contract	<u>\$ 137,655.00</u>	<u>\$ 154,075.00</u>

Funds for this project have been provided from Item 315-074 Utilities and Renovation, H. B. 531 (Transfer from Ohio Board of Regents to the University).

H. Graduate Swimming Pool

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(8 bids received 2-5-70)		
Holzapfel Construction Company		
(Columbus)		
Base bid	\$ 78,878.00	\$ 101,500.00
Alt. G-1 Ceramic tile toilet room		
floors in lieu of concrete finish	777.00	1,000.00
Alt. G-2 Courtyard work	2,924.00	4,000.00
Alt. G-3 Courtyard wall	2,719.00	5,000.00
Alt. G-4 Window walls and stone trim	5,322.00	4,500.00
Alt. G-5 Plastic paint in lieu of semi-gloss in pool area	707.00	2,000.00
Total Contract	<u>\$ 91,327.00</u>	<u>\$ 118,000.00</u>

Plumbing Contract

(3 bids received 2-10-70)

L. R. Patrick, Inc. (Columbus)

Base bid	\$ 28,120.00	\$ 32,500.00
Alt. P-1 Yard drains for courtyard	990.00	1,200.00
Total Contract	<u>\$ 29,110.00</u>	<u>\$ 33,700.00</u>

Heating, Ventilating and Air

Conditioning Contract

(5 bids received 2-5-70)

Farber Company (Columbus)

Base bid	\$ 22,190.00	\$ 32,000.00
Alt. H-1 Temperature controls for infrared heating system	1,765.00	500.00
Total Contract	<u>\$ 23,955.00</u>	<u>\$ 32,500.00</u>

February 12, 1970 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

H. Graduate Swimming Pool (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(5 bids received 2-5-70)		
CTH Electric Company (Columbus)		
Base bid	\$ 15,400.00	\$ 14,500.00
Alt. E-1 Underwater lighting system	2,430.00	3,000.00
Alt. E-2 Supplemental infrared heating system	3,230.00	6,000.00
Alt. E-3 Electric required for insulated glass	300.00	500.00
Total Contract	<u>\$ 21,360.00</u>	<u>\$ 24,000.00</u>
<u>Pool Contract</u>		
(4 bids received 2-5-70)		
Miller Anderson Pools (Dublin)		
Base bid	<u>\$ 15,800.00</u>	<u>\$ 19,500.00</u>
<u>Total All Contracts</u>	<u>\$ 181,552.00</u>	<u>\$ 227,700.00</u>

Funds for this project have been provided from Budget Account 801080  
Dormitory Revenue Funds.

Upon motion of Mr. Hilliker, seconded by Mr. Safford, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

- 8 Approves the purchase of property described as being a .203 acre tract off of the south end of Reserve B, Second Wood-Brown Addition, from Catherine Clay et al for a sum of \$4,000.00.
- 9 Approves the purchase of property described as being a 155.12<sup>+</sup> acres, being a part of Parcel #117, Perry Township, Franklin County, from Charles L. Tuller at a cost of \$930,720.00.
- 10 Approves the award of the General and Plumbing Contracts for the project "Health Sciences Library" notwithstanding the fact that they are above the estimate of cost. Also approves the transfer and release of \$2,137,933.00 from Item 315-016 Medical Complex to Item 315-059 "Health Sciences Library" for this project.

February 12, 1970 meeting, Board of Trustees

IX. CONTROLLING BOARD APPROVALS (continued)

- 11 Approves the transfer of \$573,567.00 from Item 315-016 Medical Complex to Item 315-059 Health Sciences Library and the release of \$2,573,567.00 from Item 315-059 for expenditure for the project "Health Sciences Library."
- 12 Approves the award of the General, Plumbing and Electrical Contracts for the project "River Union and Drama Facilities" notwithstanding the fact that they are above the estimate of cost. Also approves the release of \$1,063,101.00 in Item 315-045 for expenditure for this project.
- 13 Approves the release of \$132,041.00 in Item 315-074 "Utilities and Renovation" so that the contract for the project "Telephone Duct System Expansion" may be awarded.
- 14 Approves the transfer of \$1,286,368.00 from Item 315-016 Medical Complex to Item 315-052 Mental Retardation Center and the release of this amount for funding of the project "Mental Retardation Center."

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Olentangy River - Channel Improvements,  
Employment of Engineers

President Fawcett recommended that the firm of Hockaden-Lipes-Rousculp, Inc., be employed to provide plans and specifications for this project including the dredging, seeding and mulching of the east bank of the Olentangy River in connection with the Ohio Highway Department relocation of the Olentangy River Freeway.

The fee for this service is 7.49 per cent of the cost of the contract and is estimated to be \$17,000.00. Funds for this project will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way and be made available in Budget Account 801219.

Upon motion of Mr. Harrod, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote.

B. Animal Science Building - Remodeling of Mechanical System,  
Employment of Engineers

President Fawcett recommended that the firm of Drake and Ford be employed to provide complete design, bid documents and construction supervision to remodel the mechanical system of this building to supply year around ventilation and air conditioning for all office areas.

February 12, 1970 meeting, Board of Trustees

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Animal Science Building - Remodeling of Mechanical System,  
Employment of Engineers (continued)

The fee for this service will be 8 per cent of the contracts for the project and is estimated to be \$5,200.00. Funds have been provided by a transfer from Budget Account 149997 (New Programs Reserve) and Budget Account 114863 (Horticulture and Forestry Special Salary Account) to Budget Account 801205 (Animal Science - Air Conditioning).

Upon motion of Mr. Safford, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote.

C. Electric Line Easement, Lima Campus - Ohio Power Company

The Ohio Power Company has requested two electric line easements on State of Ohio lands that have been designated for the use of The Ohio State University, Lima Campus. Both easements will provide for improved service to the Lima Campus and one of the easements will provide for the relocation of the electric pole line due to the anticipated widening of High Street.

President Fawcett recommended that the electric line easements be granted to the Ohio Power Company. It was further recommended that the President and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide improved electric service to the Lima Campus and, further, to provide for a new pole line easement in anticipation of the widening of High Street.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above recommendations were approved by unanimous roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of John Bernis Brown, Professor Emeritus in the Department of Physiological Chemistry, and Jay Nagle Edmondson, Professor Emeritus in the Department of Industrial Engineering. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. John Bernis Brown

The Board of Trustees expresses its sorrow at the death on November 21, 1969, of John Bernis Brown, Professor Emeritus and former Chairman of the Department of Physiological Chemistry.

February 12, 1970 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

A. John Bernis Brown (continued)

Doctor Brown was born December 25, 1893, on a farm near Rock Falls, Illinois. He was graduated from the University of Illinois where he earned three degrees--the B.S. degree in 1915, the M.S. degree in 1917 and the Ph. D. degree in 1921. His studies were interrupted by the first World War when he served as a Lieutenant in the U. S. Army.

From 1915 to 1921, Dr. Brown served as a Teaching Assistant at the University of Illinois and from 1921 to 1923, he served as Teaching Associate at the University of Pennsylvania. He came to Ohio State in 1924 as an Assistant Professor, was promoted in 1930 to Associate Professor and in 1941 was made Professor. In 1950, he was named Director of the Institute of Nutrition and Food Technology and in 1957 he was named Chairman of the Department of Physiological Chemistry. He was named Professor Emeritus in 1966.

For 25 years Dr. Brown gave all the lectures in a two-quarter course in medical biochemistry, a one-quarter course in dental biochemistry and a one-quarter course in dental nutrition. He was elected by the University faculty to many of its major councils and served by appointment on innumerable college and University committees. He received an Award of Merit from the Alumni Association of the College of Medicine and the University presented him with a Distinguished Service Award in 1964.

Dr. Brown authored more than 125 scientific papers and achieved an international reputation as one of the nation's foremost authorities on chemistry of fats, oils and fatty acids. In addition to serving on many government committees, Dr. Brown was the Chairman of the Division of Biological Chemistry of the American Chemical Society and the Treasurer of the American Institute of Nutrition; he was later elected a Fellow of that Institute. He served on committees of the National Research Council and was at various times a member of editorial boards of several scientific journals.

For 17 years, Dr. Brown was the Choir Director of Trinity Methodist Church and served several times as President of the Board of Trustees for that church. He was a past President of the Faculty Club and the Mercator Club and an officer in several Masonic bodies.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the College of Medicine and the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Jay Nagle Edmondson

The Board of Trustees expresses its sorrow at the death on December 31, 1969, of Jay Nagle Edmondson, Professor Emeritus in the Department of Industrial Engineering.

Professor Edmondson was born in Milton, Iowa, on November 30, 1905. He received his high school diploma from Milton High School in 1922 and was awarded a two-year scholarship for any Iowa college of his choice. After completing the pre-engineering program at Parsons College in 1924, he transferred to the University of Iowa where he earned the degree Bachelor of Science in General Engineering in February, 1927. The University of Iowa awarded him the professional degree Mechanical Engineer in 1947.

Professor Edmondson had a distinguished career as an engineering educator, starting at the University of Iowa in 1927 as Instructor in Surveying and Engineering Drawing. He came to The Ohio State University in 1928 as Instructor in Engineering Drawing and served in the Department of Engineering Drawing through 1945. He was appointed Professor of Industrial Engineering in 1946 and served in that capacity until his retirement in 1963. His primary fields of interest were Production Engineering and Tool Engineering. His major contributions to the educational program were in these fields in which he developed the program of course work to such a level of excellence that it received national recognition. He was responsible for the acquisition on campus of a metrology laboratory known as a U. S. Navy Gage Laboratory making The Ohio State University one of six universities in the United States so equipped and recognized.

Professor Edmondson was highly regarded as an engineer and he had an extensive summer and part-time consulting practice providing experience which he used effectively to enhance the development of his production engineering course for the benefit of his students. He was an active member of the American Society of Tool Engineers serving on seven local chapter and national organization offices and committees. He was particularly active in those areas of concern to students, such as committees on education, scholarships, research funds and professional engineering. Many students benefited from his efforts on their behalf through his professional work and service with the American Society of Tool Engineers. His students characterized him as an engineer's engineer, and indeed he was, successfully accomplishing the sometimes difficult task of being both an engineering educator and a practicing engineer.

Beginning in his youth he was a radio operator and member of the Radio Relay League. He served as a shipboard radioman on Great Lakes and Atlantic Ocean ships as part-time and summer operator developing a life-long hobby and interest in the field, extending to a professional interest in radio and electronic product design and production engineering. He had many friends and acquaintances throughout the world who communicated with him and knew him through W8SL, the code call for his radio station.

February 12, 1970 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Jay Nagle Edmondson (continued)

Professor Edmondson worked for several summers at the National Bureau of Standards in Colorado prior to his retirement from The Ohio State University. His love for the mountains and for trout fishing in the mountain streams was well known to his friends and colleagues. They were not surprised to learn that following retirement he was employed as a Technical Consultant to the Executive Director of the Boulder Laboratory where he continued his energetic pursuit of his professional career in the beloved setting of the Colorado Rockies.

His dedicated service to his students and to his profession is appreciatively recognized by his students and his colleagues alike.

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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XII. REPORTS

A. Change of Date for the Filing of Application for Admission to the University and Possible Fee Increases

President Fawcett made the following statement relative to the change in date for the filing of application for admission to the University and possible fee increases:

All of us need to recognize as I reported to you last October, that the University faces some new kinds of problems, particularly in the field of total enrollments and admissions. Included in House Bill 531 of the last General Assembly, was an enrollment ceiling of 40,000 students on what is referred to as the "central campus" of this University effective Autumn Quarter of 1971. Our recollection of the dialogue that preceded the enactment of that Bill was that the limitation was exclusive of the enrollments within our University College. We have recently been informed that this is also the interpretation of the Office of the Board of Regents, but with the additional qualification that only those students taught in the University College's West Campus facilities be exempted for the 40,000 student limitation.

Starting with the Autumn Quarter of 1970, the final day for filing applications for admission to this University is being advanced from August 1 to May 1. There are several reasons for the establishment of an earlier application date. First, it is necessary to enable us to adjust our enrollments to conform with the law. There is no point in being anything

XII. REPORTS (continued)

A. Change of Date for the Filing of Application for Admission to the University and Possible Fee Increases (continued)

but candid about it, by following this procedure we will of necessity be refusing admission to a substantial number of students. This will also mean that we will have very few more people on this campus next year than we have had this present year. This earlier date will also give the departments and faculty the benefit for more adequate planning to accommodate the enrollments. I am reporting this action to you this morning so that you will fully understand its implications.

The second matter which I wish to comment on briefly pertains to a possible fee increase for the coming academic year. There are apparently a number of rumors making the rounds on this subject, so I believe a brief comment from me would appear to be warranted. I have seen in the papers and heard from other sources that I was going to recommend some action on fees this morning--I haven't, I'm not and I don't intend to at least for two or three months if I do at all. We are presently in the process of studying the financial requirements of this University for the second year of the biennium. Since all other sources of revenue are fixed for the biennium, the only margin of flexibility that is available to make up any deficit in our financial needs is through a student fee increase. I have consistently opposed such increases but I have often lost the argument when the point is reached where all other resources are exhausted and a choice must be made between sustaining the quality of our educational programs or increasing fees. During the next two or three months I am going to review every conceivable way of carrying this University forward without a fee increase. And if I do have to recommend a fee increase, I can tell you now that it will be a modest one.

B. Highlights of University Activities

President Fawcett reported to the Board on some of the significant activities that have taken place in recent weeks. Some references included in the report, which is filed with the official records of the Secretary, were as follows:



XII. REPORTS (continued)

B. Highlights of University Activities (continued)

1. The National Institutes of Health have granted some \$13.3 million to the University for construction projects in the Colleges of Medicine and Dentistry. The amount of \$8.5 million will help finance a five-story ambulatory patient teaching facility and nearly \$1.5 million will aid in construction of the new Health Sciences Library. A \$3.4 million grant will support financing of an addition to the Dentistry Building. Both Medicine and Dentistry will be increasing their enrollments significantly as these expanded facilities become available. Dean Richard L. Meiling of the College of Medicine has announced plans to substitute a three-year curriculum for the present four years of study.
2. The cover study for the February 7 issue of the Saturday Review featured the role of a scientific team from Ohio State's Institute of Polar Studies in a dramatic fossil find in Antarctica.
3. Secretary of Agriculture Clifford W. Hardin and Secretary of the Interior Walter J. Hickel, two members of President Nixon's Cabinet, are speaking today in Mershon Auditorium at a special Centennial Symposium on "Life and Living: 1980-2000." The two-day symposium is sponsored by the College of Agriculture and Home Economics as one of the major events of the University's Centennial Year.
4. The first official program in observance of Ohio State's 100th anniversary was a "Centennibration" sponsored by students on January 10, 1970, in the Ohio Union.
5. Ohio State is one of three newcomers on the list of the 15 institutions which received the largest Institutional Grants for Science from the National Science Foundation during 1969.
6. Members of the 1969 graduating class have made the largest senior class gift in the history of the University. The Development Fund announced that the class has pledged \$25,054 to be used as a loan fund for future students.
7. A report of the National Academy of Sciences shows that Ohio State ranks fifth among the state universities in the Big Ten in the number of postdoctoral students. Ohio State has 109 postdoctorals--74 U. S. citizens and 35 hold foreign citizenship.

C. Report on the University's Investment Portfolio

The report dated February 11, 1970, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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February 12, 1970 meeting, Board of Trustees

Thereupon the Board adjourned to meet Wednesday, March 18, 1970, at The Ohio State University, Columbus, Ohio at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

#### APPENDIX IV

Revisions of Rules 35.07, 37.15 and 47.01  
of Rules for the University Faculty

Approved by Faculty Council  
December 9, 1969

Adopted by Board of Trustees February 12, 1970  
(See page 335)



Revisions of Rules 35.07, 37.15 and 47.01  
of Rules for the University Faculty

The Faculty Council on December 9, 1969, approved the following revisions in Rules 35.07, 37.15 and 47.01 of Rules for the University Faculty:

35.07. Marks.

- (1) That the first sentence of Rule 35.07 be amended to include WP/WF in the list of official marks of the University.

The official marks of the University are as follows: A, B, C, D, E, H, I, P, R, S/U, T, X, WP/WF, PA/NP, EM and K.

- (2) That the WP/WF - Withdrawal be added to the list of marks.

WP/WF - Withdrawal. After a student may no longer withdraw from a course without a mark on his official permanent record, WP shows withdrawal while passing and WF withdrawal while failing.

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37.15. Withdrawal from Courses.

Section 1. An undergraduate student who desires to withdraw from all his courses, i. e., from the University, or from one or more of his courses, must first apply to the Dean of his College or to the Dean's authorized representative. For compulsory course withdrawal, see Rule 41.07.

Section 2. Before noon of the sixth Saturday of a quarter, an undergraduate student may withdraw from all courses, or from one or more courses beginning in the same quarter, and no mark will be entered on his official permanent record. For return of fees, see Rule 43.09.

Section 3. Between noon of the sixth Saturday and noon of the eighth Saturday of a quarter, an undergraduate student may withdraw from all courses, or from one or more courses beginning in the same quarter, and his official permanent record shall bear the notation WP if he withdrew passing or WF if he withdrew failing.

Section 4. After noon of the eighth Saturday of a quarter, an undergraduate student may withdraw from one or more courses, or all courses, and his official permanent record shall bear the notation WP if he withdrew passing or the grade E if he withdrew failing.

Section 5. If an undergraduate student withdraws at any time during the quarter from a course continued from a preceding quarter, his official permanent record in that course shall bear the notation WP if he withdrew passing or the grade E if he withdrew failing.

Revisions of Rules 35.07, 37.15 and 47.01  
of Rules for the University Faculty (continued)

37.15. Withdrawal from Courses. (continued)

Section 6. In the foregoing, courses extending throughout the quarter are presumed. For courses offered on a five-week term basis, wherever the expression "sixth Saturday" occurs, substitute "third Saturday," and wherever the expression "eighth Saturday" occurs, substitute "fourth Saturday."

Section 7. The Graduate School and graduate professional colleges shall formulate appropriate rules to govern withdrawal from courses in their respective curricula, subject to the approval of the Council on Academic Affairs, and publish these rules in their respective catalogs.

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47.01. Withdrawal from the University.

A student who desires to withdraw from the University must apply for permission to the Dean of his College or to the Dean's authorized representative, in accordance with Rule 37.15. If the student severs his connections with the University at any time during a quarter without communicating with the Dean of his College, he shall be marked as having failed in all his courses for the quarter.

When a student withdraws from the University during a quarter, his parent or guardian shall be notified of the fact by the Secretary of his College. For return of fees, see Rule 43.09. For withdrawal from a course, see Rule 37.15.

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 18, 1970

The Board of Trustees met at its regular monthly meeting on Wednesday, March 18, 1970, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, John H. Dunlap, Jack G. Gibbs, and Frederick R. Eckley.

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Minutes of the last meeting were approved.

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March 18, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Change the Name of the Department of Horticulture and Forestry to Department of Horticulture

The Faculty Council on February 10, 1970, approved for transmittal to the Board of Trustees the proposal from the Council on Academic Affairs that the name of the Department of Horticulture and Forestry be changed to the Department of Horticulture, effective Summer Quarter, 1970. The College of Agriculture and Home Economics made this proposal since the School of Natural Resources has assumed the responsibility for the area of forestry within its program of instruction.

President Fawcett recommended that the Board of Trustees approve the proposed change in name of the Department of Horticulture and Forestry to Department of Horticulture.

Upon motion of Mr. Jones, seconded by Mr. Hilliker, the Board of Trustees approved the above recommendation by unanimous voice vote.

B. Degrees and Certificates Conferred--Winter Quarter Commencement

President Fawcett recommended that degrees and certificates be conferred at the Winter Quarter Commencement Convocation on March 19, 1970, to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix V, page 423.)

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendation by unanimous voice vote.

C. Honorary Degrees

The Board of Trustees on February 12, 1970, approved twenty-three recipients for Honorary Degrees to be awarded during the Centennial Year.

President Fawcett recommended that the honorary degrees, as specified hereafter, be conferred on the following individuals at the March 19, 1970, Commencement Convocation:

Hendrik Wade Bode	Doctor of Science
William Wager Cooper	Doctor of Science
Henry Bohn Hass	Doctor of Science
Maynard Kiplinger Hine	Doctor of Science
Alvah Peterson	Doctor of Science



March 18, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Honorary Degrees (continued)

It was recommended further that the following honorary degree be awarded during the recipient's appearance as Guest Conductor for the Columbus Symphony Orchestra on April 1, 1970, at the Veterans Memorial Auditorium:

Aaron Copland

Doctor of Humane Letters

Upon motion of Mr. Hilliker, seconded by Mr. Gibbs, the Board of Trustees approved the above recommendation by unanimous voice vote.

D. Establishment of the Centennial Development Fund

In celebration of the Centennial Year of The Ohio State University, President Fawcett recommended that a Centennial Development Fund to raise \$10,000,000 be established. During 1970 new levels of support from alumni, parents, friends, corporations and foundations will be encouraged so that the \$10,000,000 goal may be achieved. The \$10,000,000 goal will provide:

1. \$2,500,000 for three endowed chairs and eight named professorships.
2. \$2,250,000 for fellowships, scholarships and loans for deserving students.
3. \$2,000,000 for support of a center for the study of contemporary problems to be established in 1970.
4. \$1,750,000 for strengthening programs in environmental quality; completing the Center for Tomorrow; planning a center for the performing arts; and supporting selected academic and research programs.
5. \$1,500,000 to meet some of the needs and assist in planning future programs in the area of recreation, intramural activities and athletics.

Upon motion of Mr. Dunlap, seconded by Mr. Eckley, the Board of Trustees approved the above recommendation by unanimous voice vote.

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March 18, 1970 meeting, Board of Trustees

## II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the February 12, 1970 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Appointments, Leave of Absence Without Salary and Emeritus Title:

### A. Appointments

Arthur E. Adams, Dean, College of Humanities, effective July 1, 1970, at a salary of \$30,168.00 per annum.

S. Rains Wallace, Professor and Chairman, Department of Psychology, effective September 1, 1970, at a salary of \$28,248.00 per annum.

Howard A. Rollins, Jr., Professor and Chairman (part time - 50 percent) in the Department of Horticulture and Forestry, and Professor (part time - 15 percent) in the Cooperative Extension Service, effective May 1, 1970, at a combined salary of \$17,640.00 per annum. Dr. Rollins will hold an appointment at the Ohio Agricultural Research and Development Center for 35 percent of full time.

John H. Kessel, Professor, Department of Political Science, effective July 1, 1970, at a salary of \$22,008.00 per annum.

Fritz V. Lenel, Visiting Professor (Battelle Professor of Metallurgy), Department of Metallurgical Engineering, effective April 1, 1970 through June 30, 1970, at a salary of \$8,331.00 for the period.

### B. Leave of Absence Without Salary

Susan Jahn Mancini, Instructor, Department of Romance Languages, effective January 1, 1970 through June 30, 1970, for personal reasons.

### C. Emeritus Title

Gertrude M. Adams, Instructor Emeritus (County Agent, Home Economics) Darke County, Cooperative Extension Service, effective April 1, 1970.

Upon motion of Mr. Shocknessy, seconded by Mr. Gibbs, the Appointments, Leave of Absence Without Salary, Emeritus Title and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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March 18, 1970 meeting, Board of Trustees

### III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

#### A. The Ohio State University and The Ohio State University Research Foundation

##### SUMMARY

January 17, 1970 - February 27, 1970

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	17	\$1,069,073.00
Industrial and Other Research	2	129,608.00
<u>Grants</u>		
Government Research - Federal	32	974,535.00
Industrial and Other Research	<u>8</u>	<u>44,206.92</u>
Totals	59	\$2,217,422.92

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Research Contracts - Federal

- a. U. S. Atomic Energy Commission, Argonne, Illinois, High Resolution Infrared Spectra of Tritium-and-Deuterium-Substituted Molecules (to be known as U. S. Atomic Energy Commission Project No. 1098-C - Sup. #9 - Department of Physics).  
Gross Value - \$30,000.00.
- b. U. S. Atomic Energy Commission, Argonne, Illinois, An Investigation of Mixed Conduction in Solid Electrolytes (to be known as U. S. Atomic Energy Commission Project No. 1958-C - Mod. #4 - Department of Metallurgical Engineering).  
Gross Value - \$35,000.00.
- c. National Aeronautics and Space Administration, Washington, D. C., A Study of Continuum Vibrations (to be known as National Aeronautics and Space Administration Project No. 1986 - Amend. #4 - Department of Engineering Mechanics).  
Gross Value - \$30,073.00.
- d. U. S. Atomic Energy Commission, Argonne, Illinois, High Energy Physics (to be known as U. S. Atomic Energy Commission Project No. 2116 - Mod. #6 - Department of Physics).  
Gross Value - \$210,000.00.

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. U. S. Atomic Energy Commission, Argonne, Illinois, High Energy Physics Studies (to be known as U. S. Atomic Energy Commission Project No. 2116-A - Mod. #6 - Department of Physics).  
Gross Value - \$65,000.00.
- f. Department of Health, Education and Welfare, Office of Education, Washington, D. C., The Development of an ERIC Clearinghouse for Science Education (to be known as Office of Education Project No. 2228 - Amend. #5 - College of Education - Science and Mathematics Education).  
Gross Value - \$206,320.00.
- g. U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington, D. C., Factors Affecting Erythrocyte Destruction in Malaria (to be known as U. S. Army Medical Research and Development Command Project No. 2515 - Mod. #4 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$16,255.00.
- h. Office of Civil Defense, Office of the Secretary of the Army, Washington, D. C., Disaster Studies (to be known as Office of Civil Defense Project No. 2612 - Mod. #6 - Department of Sociology).  
Gross Value - \$8,000.00.
- i. U. S. Atomic Energy Commission, Argonne, Illinois, Stress Corrosion Cracking of FE-CR-NI Alloys in Caustic Environments (to be known as U. S. Atomic Energy Commission Project No. 2765 - Letter dated 11/5/69 - Department of Metallurgical Engineering).  
Gross Value - \$50,000.00.
- j. U. S. Department of Labor, Manpower Administration, Washington, D. C., National Longitudinal Studies of the Labor Force Behavior (to be known as U. S. Department of Labor Project No. 2820 - Mod. #3 - Department of Economics).  
Gross Value - \$12,639.00.
- k. Department of Transportation, Federal Highway Administration, Washington, D. C., Medical-Engineering Highway Crash Investigation Team (to be known as Department of Transportation Project No. 2852 - Mod. #1 - Department of Physiology).  
Gross Value - \$49,094.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Ohio Medlars Center (to be known as National Institutes of Health Project No. 2943 - Mod. #1 - Department of Medicine).  
Gross Value - \$121,842.00.
- m. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Academic Services for Air Force Institute of Technology (DWSMC) (to be known as Air Force Institute of Technology Project No. 2953 - Mod. #1 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$47,000.00.
- n. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Academic Services for Air Force Institute of Technology (DWSMC) (to be known as Air Force Institute of Technology Project No. 2953 - Mod. #2 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$41,258.00.
- o. U. S. Army, New York Procurement Agency, New York, New York, Small Unit Combat Simulation (DYNTACS) (to be known as New York Procurement Agency Project No. 2978 - New - Engineering Experiment Station).  
Gross Value - \$75,000.00.
- p. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Data Handling and Computer Programming (to be known as Air Force Institute of Technology Project No. 2986 - New - Engineering Experiment Station).  
Gross Value - \$800.00.
- q. Headquarters, U. S. Army Missile Command, Redstone Arsenal, Alabama, Extension to Land Combat Models (to be known as U. S. Army Missile Command Project No. 2995 - New - Department of Industrial Engineering).  
Gross Value - \$70,792.00.

TOTAL - Government Research Contracts - Federal \$1,069,073.00

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Research Contracts

- a. American Petroleum Institute, New York, New York, Critical Properties of Hydrocarbon Mixtures (to be known as American Petroleum Institute Project No. 2029 - Ext. #5 - Department of Chemical Engineering).  
Gross Value - \$10,000.00.
- b. American Petroleum Institute, New York, New York, An Investigation of the Effects of Sulphur Dioxide on Human Subjects (to be known as American Petroleum Institute Project No. 2987 - New - Department of Preventive Medicine).  
Gross Value - \$119,608.00.

TOTAL - Industrial and Other Research Contracts \$129,608.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Initiation of Activity in Smooth Muscle (to be known as National Institutes of Health Project No. 874-K - Ext. #11 - Department of Physiology).  
Gross Value - \$13,052.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Center for Air Pollution Control Administration, Bethesda, Maryland, Mechanisms of Photochemically Initiated Oxidations (to be known as National Center for Air Pollution Control Administration Project No. 1220-J - Ext. #9 - Department of Chemistry).  
Gross Value - \$63,889.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Center for Air Pollution Control Administration, Bethesda, Maryland, Mechanisms of Photochemically Initiated Oxidations (to be known as National Center for Air Pollution Control Administration Project No. 1220-J-1 - Ext. #2 - Department of Electrical Engineering).  
Gross Value - \$17,280.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Lipoproteins and Cellular Organization (to be known as National Institutes of Health Project No. 1404-H - Ext. #8 - Department of Physiological Chemistry).  
Gross Value - \$29,305.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Division of Research Facilities and Resources, Bethesda, Maryland, General Research Support Grant (to be known as National Institutes of Health Project No. 1775-F - Ext. #6 - College of Dentistry).  
Gross Value - \$17,977.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Catalytic Centers of Metal Enzymes (to be known as National Institutes of Health Project No. 1823-D - Ext. #4 - Department of Physiological Chemistry).  
Gross Value - \$22,729.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Lysosomes and Their Relation to Viral-Induced Cytopathol (to be known as National Institutes of Health Project No. 2164-B - Sup. #1 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$1,385.00.
- h. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Bethesda, Maryland, Attention and Hypothesis Behavior in Concept Learning (to be known as National Institutes of Mental Health Project No. 2166-D - Ext. #4 - Department of Psychology).  
Gross Value - \$20,994.00.
- i. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Chevy Chase, Maryland, Individual Differences and Psychologic Stress (to be known as National Institutes of Mental Health Project No. 2173-D - Ext. #4 - Department of Psychiatry).  
Gross Value - \$56,640.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Brain RNA and Its Response to Environmental Events (to be known as National Institutes of Health Project No. 2251-C - Sup. #2 - Department of Psychiatry).  
Gross Value - \$2,624.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart Institute, Bethesda, Maryland, Coronary Circulation and Myocardial Function (to be known as National Institutes of Health Project No. 2375-B - Sup. #1 - Department of Surgery).  
Gross Value - \$2,984.00.
- l. National Aeronautics and Space Administration, Washington, D. C., Combined Conductive and Radiative End Wall Heat Transfer Behind Reflected Shock Waves in Air and Nitrogen (to be known as National Aeronautics and Space Administration Project No. 2601 - Sup. #3 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$20,000.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Hormone Modulation of Emetic Responsiveness in Aves (to be known as National Institutes of Health Project No. 2613-B - Ext. #2 - College of Pharmacy).  
Gross Value - \$10,944.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Studies in Experimental Atherosclerosis (to be known as National Institutes of Health Project No. 2642 - Sup. #1 - Department of Pathology).  
Gross Value - \$7,689.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Metabolism of 6-Deoxyhexoses (to be known as National Institutes of Health Project No. 2701-B - Ext. #2 - College of Biological Sciences - Biochemistry and Molecular Biology).  
Gross Value - \$18,438.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Ephedrine Tachyphylaxis (to be known as National Institutes of Health Project No. 2753-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$11,262.00.



March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Neurooncogenesis by Resorptive Carcinogens (to be known as National Institutes of Health Project No. 2762-A - Ext. #1 - Department of Veterinary Pathology).  
Gross Value - \$47,568.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Arthritis and Metabolic Diseases, Bethesda, Maryland, Pathology of Thyrocalcitonin Allied Disease (to be known as National Institutes of Health Project No. 2766-A - Ext. #1 - Department of Veterinary Pathology).  
Gross Value - \$30,042.00.
- s. Headquarters, Air Force Office of Scientific Research, Arlington, Virginia, Information Processing for Target Detection and Identification (to be known as Air Force Office of Scientific Research Project No. 2768 - Mod. #1 - Department of Electrical Engineering).  
Gross Value - \$25,000.00.
- t. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Hypocholesterolemic Agents--Stereochemical Studies (to be known as National Institutes of Health Project No. 2769-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$24,593.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, An Ocular Fundus Anomaly (to be known as National Institutes of Health Project No. 2771-A - Ext. #1 - Department of Veterinary Medicine).  
Gross Value - \$42,146.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Etiology of Sarcoidosis (to be known as National Institutes of Health Project No. 2780-A - Ext. #1 - Department of Medical Microbiology).  
Gross Value - \$20,673.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Aspects of Male Reproduction (to be known as National Institutes of Health Project No. 2866 - New - Department of Dairy Science).  
Gross Value - \$131,662.00.
- x. U. S. Department of Interior, Federal Water Pollution Control Administration, Washington, D. C., Automated System for Water Pollution Control from an Animal Production Unit (to be known as Federal Water Pollution Control Administration Project No. 2980 - New - Department of Agricultural Engineering).  
Gross Value - \$50,575.00.
- y. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Bethesda, Maryland, Temporal Organization of Spoken Language (to be known as National Institutes of Mental Health Project No. 2990 - New - Department of Linguistics).  
Gross Value - \$6,627.00.
- z. Department of Health, Education and Welfare, U. S. Office of Education, Washington, D. C., Relationship Between Understanding of Grammatical Conjunction and Reading Comprehension (to be known as U. S. Office of Education Project No. 2991 - New - College of Education - Early and Middle Childhood Education).  
Gross Value - \$7,708.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, The Synthesis of Catena Type Compounds (to be known as National Institutes of Health Project No. 2993 - New - Department of Chemistry).  
Gross Value - \$28,012.00.
- bb. National Science Foundation, Washington, D. C., Effect of Structure on Rates and Equilibria (to be known as National Science Foundation Project No. 2994 - New - Department of Chemistry).  
Gross Value - \$45,000.00.
- cc. Air Force Office of Scientific Research, Arlington, Virginia, Physical Automata and Distributed Information Processing Networks (to be known as Air Force Office of Scientific Research Project No. 2996 - New - Department of Electrical Engineering).  
Gross Value - \$10,037.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- dd. National Science Foundation, Washington, D. C., Standard Stars for Rotational Velocity (to be known as National Science Foundation Project No. 2997 - New - Department of Astronomy).  
Gross Value - \$107,700.00.
- ee. National Science Foundation, Washington, D. C., The Environmental History of the Galapagos Islands (to be known as National Science Foundation Project No. 2999 - New - College of Biological Sciences - Zoology).  
Gross Value - \$60,000.00.
- ff. National Aeronautics and Space Administration, Washington, D. C., Flush-Mounted Antennas Radiating Through Dielectric-Covered Curved Surfaces (to be known as National Aeronautics and Space Administration Project No. 3001-A1 - New - Department of Electrical Engineering).  
Gross Value - \$20,000.00.

TOTAL - Government Research Grants - Federal \$974,535.00

4. Industrial and Other Research Grants

- a. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Checks Nos. C697608, C697609 and C698027 - Department of Surgery).  
Gross Value - \$3,817.92.
- b. Health Research, Inc., Roswell Park Division, Buffalo, New York, Breast Adjuvant Study (to be known as Health Research, Inc., Project No. 1569 - Check No. 078591 - Department of Surgery).  
Gross Value - \$289.00.
- c. Modern Language Association of America, Center for Editions of American Authors, New York, New York, Hawthorne Edition (to be known as Modern Language Association of America Project No. 2338-C - Letter dated 1/20/70 - Department of English).  
Gross Value - \$18,800.00.
- d. The Institute for Quantitative Research, Bowling Green Station, New York, New York, Determinants of Security Price Behavior (to be known as The Institute for Quantitative Research Project No. 2892 - Sup. #1 - College of Administrative Science - Division of Research).  
Gross Value - \$4,000.00.

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- e. American Association of Colleges of Pharmacy, Silver Spring, Maryland, A Multivariate of the Career Developments of Potential Health Professional - Section III Pharmacy (to be known as American Association of Colleges of Pharmacy Project No. 2950 - Sup. #1 - College of Medicine - Administration).  
Gross Value - \$2,000.00.
- f. General Building Contractors Association, Inc., Philadelphia, Pennsylvania, Industrial Arts Curriculum Project - Construction Industry Grants (to be known as General Building Contractors Association, Inc., Project No. 2952 - Sup. #6 - College of Education).  
Gross Value - \$2,000.00.
- g. Modern Language Association of America, Center for Editors of American Authors, New York, New York, Ralph Waldo Emerson Works (to be known as Modern Language Association of America Project No. 2992 - New - Department of English).  
Gross Value - \$8,300.00.
- h. American Cancer Society, Ohio Division, Cleveland, Ohio, Steroid Metabolism by Canine Mammary Tissues and Tumors Organ Culture (to be known as American Cancer Society Project No. 2998 - New - Department of Veterinary Pathology).  
Gross Value - \$5,000.00.

TOTAL - Industrial and Other Research Grants \$44,206.92

Upon motion of Mr. Dunlap, seconded by Mr. Eckley, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contract	1	\$31,170.00
Industrial Research Contract	<u>1</u>	<u>2,634.00</u>
Totals	2	\$33,804.00

March 18, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from January 17, 1970 through February 26, 1970, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contract

EES 356X      A Laboratory and Field Durability Study of Asphaltic Mixtures, Ohio Department of Highways, Columbus, Ohio 43216.  
Gross Value - \$31,170.00.

2. Industrial Research Contract

EES 355X      Investigation of the Ga As Temperature Sensor, Lake Shore Cryotronics, Inc., Hamburg, New York 14075.  
Gross Value - \$2,634.00.

C. Agreement Between The Ohio State University  
and The Ohio Historical Society

The Ohio Historical Society has occupied facilities on the University campus since 1885. With the construction of a new facility located on the State Fairgrounds nearing completion, The Ohio Historical Society will move from its present facility which will in turn become available to the University. The Ohio General Assembly has appropriated the sum of \$1,000,000 in Sub. H. B. 531, line #3414 for purchase of this facility from The Ohio Historical Society for use by the University.

The terms of the Agreement provide for the Zoological Collections to remain with the University and to continue to be housed in the basement of the present Ohio Historical facility or other suitable facilities.

It was recommended that the President be authorized to sign said Agreement on behalf of the Board of Trustees. This Agreement will become effective when the Society has vacated the facilities on the campus and the provisions of Sub. H. B. 531, line #3414, have been implemented.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendation by unanimous roll call vote.

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March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since February 12, 1970, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

S U M M A R Y

Administered Through the Office of Business and Finance	\$13,554,661.00
Received Through The Ohio State University Development Fund	533,221.94

A. Administered through the Office of Business and Finance

1. \$8,550,750.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland 20014, to the University for construction of the "Ambulatory Patient Teaching Facility," under the direction of the College of Medicine. This grant was made under Title VII, Part B of the Public Health Service Act. (Grant No. 1C05-CF-04016-01)
2. \$3,408,287.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland 20014, to the University for construction of an "Addition to Dentistry Building," under the direction of the College of Dentistry. This grant was made under Title VII, Part B of the Public Health Service Act. (Grant No. 1J02-PMDH-00493-01)
3. \$1,406,112.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland 20014, to the University for construction of a "Health Sciences Library," under the direction of the Colleges of Medicine and Dentistry. This grant was made under Title VII, Part B of the Public Health Service Act. (Grant No. 1C05-CF-04017-01)
4. \$74,700.00 made available pursuant to Title I, Higher Education Act of 1965, through the Ohio Board of Regents for "An Urban Extension Program for Central Ohio." (Program Number 70-944-015)
5. \$41,320.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland 20014, to the University for "General Research Support Grant," under the direction of the College of Pharmacy, for the period January 1, 1970 through December 31, 1970. (Grant No. 5 S01 RR05607-04)
6. \$25,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Summer Intensive Language Program in Slavic and East European Studies," under the direction of the Department of Slavic Languages and Literatures, for the period April 1, 1970 through October 15, 1970. (Contract No. OEC-0-70-2608)

March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$19,220.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for support of "Education in Librarianship," under the direction of the Department of Computer and Information Science, for the period February 16, 1970 through September 30, 1971. (Grant No. OEG-0-0-450003-0430)
8. \$14,872.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for support of "Center for Research and Leadership Development in Vocational and Technical Education," under the direction of the Center for Vocational and Technical Education, for the period September 1, 1969 through May 31, 1970. (Grant No. OEG-3-7-000158-2037)
9. \$14,400.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for support of "Medical Student Apprenticeship Training," under the direction of the Department of Preventive Medicine, for the period March 1, 1970 through February 28, 1971. (Grant No. 5 A07 AH 00209-03)

TOTAL - Administered Through the Office of Business and Finance -  
\$13,554,661.00

B. Received Through The Ohio State University Development Fund

1. \$378,000.00 in securities from Louis C. Fischer for the Artificial Turf Fund in memory of Joseph A. Campanella.
2. \$60,000.00 through a bequest from Mrs. Dorothy Dye Henry (Mrs. Fred B.) for the establishment of two memorial funds--\$35,000.00 for the Fred B. Henry Memorial Fund and \$25,000.00 for the Dorothy Dye Henry Memorial Fund.

Fred B. Henry Memorial Fund

The Fred B. Henry Memorial Fund was established March 18, 1970, by the Board of Trustees of The Ohio State University through a bequest to The Ohio State University Development Fund from Mrs. Dorothy Dye Henry, late of Columbus, Ohio, in memory of her husband Fred B. Henry, B. M. E. '22.

The principal is to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

2. Fred B. Henry Memorial Fund (continued)

The annual income from this endowment fund is to be used to provide scholarships, either graduate or undergraduate, student loans or grants-in-aid. The students so assisted are to be enrolled in the College of Engineering, and first preference is to be given to students enrolled in the Department of Mechanical Engineering. In any award or grant made, the financial need of the student shall be a factor. Recommendations for such awards or grants shall be made by the Dean of the College of Engineering, with the concurrence of the Chairman of the Department in which the student is enrolled.

In the event the need for such student aid should cease to exist or so diminish as to create unused income, then the income may be used by the Development Fund at its discretion, preference to be given, however, to items and services in the field of engineering.

Dorothy Dye Henry Memorial Fund

The Dorothy Dye Henry Memorial Fund was established March 18, 1970, by the Board of Trustees of The Ohio State University through a bequest to The Ohio State University Development Fund from Dorothy Dye Henry (Mrs. Fred B.), late of Columbus, Ohio.

The principal is to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used annually in the College of Veterinary Medicine, in accordance with the rules and regulations adopted by the Board of Trustees of The Ohio State University, to improve the medical care of small animals.

In the event this need should cease to exist or so diminish as to create unused income, or should the College of Veterinary Medicine cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medicine education.



March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

3. \$48,612.60 through a bequest from Walter Scott for the establishment of the Walter Scott Memorial Scholarship Fund.

Walter Scott Memorial Scholarship Fund

The Walter Scott Memorial Scholarship Fund was established March 18, 1970, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University through The Ohio State University Development Fund from Walter Scott, Ph. D. '22, late of Philadelphia, Pennsylvania.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The income is to be used annually for scholarships to students selected by the University Scholarship Committee.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, or should the University Scholarship Committee cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the selection and award of scholarships.

4. \$30,000.00 from E. I. du Pont de Nemours & Company, Wilmington, Delaware--\$20,000.00 for the du Pont Fund for Research in Chemistry, \$5,000.00 for the du Pont Fund for Research in Chemical Engineering and \$5,000.00 for the du Pont Fund for Research in Metallurgy.
5. \$23,250.00 from the Charles F. Kettering Foundation, Dayton, Ohio, for the Charles F. Kettering Foundation Study of Human Motivation.
6. \$12,475.00 from The Cleveland Trust Company, Cleveland, Ohio, for International Programs Special Fund.
7. \$10,521.00 from The Charles F. High Foundation, Bucyrus, Ohio, for the Charles F. High Foundation Scholarship.
8. \$10,062.50 from G. D. Searle & Company for the G. D. Searle & Company Research in Medicine Fund.
9. \$10,000.00 from Synod of Ohio, Columbus, Ohio, for the Ohio Synod New Dimensions Program Fund.

March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

10. \$7,692.44 from the Estate of Edmond R. Sawtell, Pittsburgh, Pennsylvania, for the Edmond R. Sawtell Fund.
11. \$7,500.00 from The Columbus Foundation--\$5,000.00 for the Presidents Club Special Fund [In the name of Mrs. Cathrine C. Hislop (Mrs. John)] and \$2,500.00 for the Preston Davis Fellowship in City Planning Fund.
12. \$6,738.00 from The Grace High Washburn Trust, Bucyrus, Ohio, for the Grace High Washburn Trust Scholarship.
13. \$6,500.00 from Wyeth Laboratories, Philadelphia, Pennsylvania, for the Infectious Disease Research Fund.
14. \$5,918.75 from the Morris Animal Foundation, Denver, Colorado, for the Mark L. Morris Animal Foundation in the College of Veterinary Medicine.
15. \$5,000.00 from The Dekalb Foundation, DeKalb, Illinois, for the Agricultural Careers Fund.
16. \$5,000.00 from the Ferro Corporation, Cleveland, Ohio, for the Ferro Corporation Fellowship Fund.
17. \$5,000.00 from the Ohio Florists Association, Columbus, Ohio, for the Ohio Florists Association Fellowship Fund.
18. \$5,000.00 from Republic Steel Corporation, Cleveland, Ohio, for the John W. Bricker Professorship in the College of Law.
19. \$2,500.00 from the Hancock County Cancer Society, Findlay, Ohio, for the Hancock County Leukemia Fund.
20. \$1,064.25 from Seward D. Schooler as an unrestricted gift to the University.
21. \$1,000.00 from Clarence S. Ohsner for the Presidents Club Special Fund.

TOTAL - Received Through The Ohio State University Development Fund -  
\$641,834.54

March 18, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Gift-in-Kind

1. A collection of Thurber literary materials from Mrs. James Thurber for the James Thurber Reading Room in the University Library.

Upon motion of Mr. Hilliker, seconded by Mr. Jones, the acceptance of the foregoing grants and gifts and the establishment of the above-named funds were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In January, 1970, the Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	627	\$ 18,064.87
Individuals other than alumni	75	42,689.51
Business concerns	22	70,457.66
Nonprofit organizations	40	167,458.49
	<u>764</u>	<u>\$298,670.53</u>

Of these gifts, 386 totaling \$293,796.04 were undesignated and 378 totaling \$4,874.49 were designated.

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V. EXTRAS AND CREDITS TO CONTRACTS

On July 13, 1967, the Board of Trustees authorized the Vice President for Business and Finance to approve change orders which were necessary to expedite completion of construction projects. In accordance with this authorization, all extra and credit orders to contracts which have been completed were reported:

A. Means Hall - Additional Patient Facilities

<u>Original Contract</u> <u>Cost</u>	<u>Total Construction</u> <u>Cost</u>	<u>Total Change</u> <u>Order Cost</u>
\$26,300.00	\$26,725.00	\$425.00

Funds for this project were provided by a transfer from Budget Account 960200 (Hospital Rotary) to Budget Account 801193 (Means Hall - Toilet Facilities).

Upon motion of Mr. Gibbs, seconded by Mr. Eckley, the above extra and credit orders to contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

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VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Evans Laboratory Addition - Revisions to  
Electrical and Ventilating Systems

This project will provide the installation of a larger supply air fan motor, new motor control center and relocate the cooling coils in the make-up air system to provide a more reliable system in this area in which toxic gases are being handled.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

B. Lazenby Hall - Remodeling of Library and  
Faculty Research Laboratories

This project will include the conversion of the west basement area to a Library for Biochemistry, Biophysics and Microbiology; the remodeling of three second floor rooms to provide Faculty Research Laboratories for the Zoology Department; and the upgrading of rest room facilities.

Funds for this project have been provided by a transfer from Budget Account 149997 (New Programs Reserve) to Budget Account 801207 (Lazenby Hall Remodeling).

C. Railroad Siding Removal and Site Restoration

This project will include the removal of all railroad tracks from the east Limited Access line, Highway 315, to The Ohio State University Power Plant; the delivery of all usable standard rails and devices to storage; and the repair and restoration of the site, including blacktop, seeding and sodding, etc., as necessary.

Funds for this project will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way and made available in Budget Account 801211.

D. McCracken Power Plant - Fuel Oil Storage Addition

This project will increase the capacity of the "Fuel Oil Storage System" from 160,000 gallons to 360,000 gallons thus increasing the time the University can operate during gas supply outages.

Funds for this project have been provided from Item 315-074, H. B. 531 (Utilities and Renovation).

VI. PLANS AND SPECIFICATIONS (continued)

E. Buckeye Village - Modernization of Electrical Systems in Phase I Buildings

This project provides for upgrading of the electrical distribution systems in 15 of the married student housing apartment buildings consisting of 200 individual apartments.

Funds for this project have been provided in Budget Account 998295 (Dormitory Contingency Fund).

F. Hughes Hall - Electrical Distribution

This project will provide new power transformers, main electric switch-board and distribution wiring to new panelboards to accommodate the increase of lighting levels, air conditioning and other power loads.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

G. Hamilton Hall - Replacement of Two Elevators

This project consists of removing the existing elevator equipment and the installation of two new units having increased speed, automatic controls, reliable safety devices and operating devices in compliance with present day code requirements.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

H. Lighting in Mirror Lake Area

This project will provide additional lighting to improve pedestrian safety.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

I. McPherson Chemical Laboratory - Corridor Renovation

This project will provide complete restoration of the first and second floor corridors, including replacement of plaster walls, patching plaster walls, ceramic tile wainscoting, vinyl wall coverings, acoustical ceilings and relocation and installation of fluorescent fixtures.

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

J. Means Hall - Ventilation System Improvements - Phase I

This project will provide individually controlled through-the-wall air conditioning units in rooms having outside walls.

March 18, 1970 meeting, Board of Trustees

VI. PLANS AND SPECIFICATIONS (continued)

J. Means Hall - Ventilation Systems Improvements - Phase I (continued)

Funds for this project have been provided by a transfer from Budget Account 809998 (Hospital Capital Reserve) to Budget Account 801224 (Air Conditioning Means Hall).

Upon motion of Mr. Dunlap, seconded by Mr. Hilliker, the above recommendations were approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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VII. REPORT OF AWARD OF CONTRACTS

A. University Hospital - Improvements to Ventilation System of 6th Floor and 8 East Nursing Stations (Extension of Project)

On February 12, 1970, the Board of Trustees approved the award of contracts for the project named above. The bids on this project, however, were taken with many alternates in an effort to provide the Hospital with prices on doing the work on a schedule provided by the Hospital, such as working second shifts, and additionally in doing work in several other patient care sections of the Hospital. The purpose of this form of bid was to get prices which would provide the Hospital management with the opportunity to choose as much area as possible for the air conditioning project, limited only to the amount of funds currently available.

The Hospital administration is now able to allocate additional funds to provide for the air conditioning of the following areas: 5th Floor East, 5th Floor Center, 7th Floor West, 7th Floor Center, the entire 8th Floor, the entire 10th Floor and 11th Floor Center. When these areas have been air conditioned, all patient areas except an isolation section on 11th Floor West will have been completed.

Therefore the Board of Trustees was requested to approve the expansion of the project from a total of \$133,900 to \$377,692 together with the acceptance of the duly received and recorded bids thereon.

Funds for this project have been provided by a transfer from University Hospital Rotary to Budget Account 801213 (Hospital Air Conditioning - 6th and 8th Floors).

Upon motion of Mr. Eckley, seconded by Mr. Shocknessy, the above recommendation was approved by unanimous roll call vote.

March 18, 1970 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

B. University (General) College - Building #4

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(7 bids received 2-19-70)		
X-L Corporation (Columbus)		
Base bid	\$1,196,000.00	\$1,337,000.00
Alt. G-1 Prefinished and prefit doors	N/C	5,500.00
Alt. G-2 Additional landscape planting	2,300.00	4,000.00
Alt. G-3 Pedestrian walkway and canopy	22,000.00	25,000.00
Total Contract	<u>\$1,220,300.00</u>	<u>\$1,371,500.00</u>

Plumbing Contract

(4 bids received 2-19-70)

Montoney Heating & Piping Co.  
(Grove City)

Base bid	\$ 106,695.00	\$ 107,800.00
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Heating, Ventilating and Air

Conditioning Contract

(4 bids received 2-19-70)

Dixon and Sons, Inc. (Newark)

Base bid	\$ 528,880.00	\$ 529,600.00
Alt. HVAC-2 Alternate Boilers	(1,000.00)	N/C
Total Contract	<u>\$ 527,880.00</u>	<u>\$ 529,600.00</u>

Electric Contract

(6 bids received 2-19-70)

Mid-City Electric Co. (Columbus)

Base bid	\$ 388,890.00	\$ 402,000.00
Alt. E-1 Walkway canopy lighting	468.00	320.00
Total Contract	<u>\$ 389,358.00</u>	<u>\$ 402,320.00</u>

Total All Contracts

<u>\$2,244,233.00</u>	<u>\$2,411,220.00</u>
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Funds for this project have been provided from Item 315-056, H. B. 949; Item 315-056, H. B. 531; Title I Federal Grant; Federal Recoveries; and Budget Account 801070 (West Union).

C. Primary Electric Line Relocation - Phase III

(13.2 KV Primary Conduit System)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(6 bids received 3-10-70)		
Pence Electric Company (Columbus)	\$ 8,567.00	\$ 20,000.00

March 18, 1970 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

C. Primary Electric Line Relocation - Phase III  
(13.2 KV Primary Conduit System) (continued)

Funds for this project have been provided from Budget Account 124358  
(Contract Repair).

D. University Hospital - Ventilation System Improvements  
to 2nd Floor and 3rd Floor East

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(3 bids received 3-11-70)		
Electric Power Equipment Co. (Columbus)		
Base bid	\$ 27,468.00	\$ 50,200.00
Alternate E-1 Parcel No. 4, Radiology Rooms 265-A through 243	1,908.00	5,000.00
Total Contract	<u>\$ 29,376.00</u>	<u>\$ 55,200.00</u>
<u>Heating, Ventilating and Air</u> <u>Conditioning Contract</u>		
(3 bids received 3-11-70)		
Charbetz Company (Columbus)		
Base bid	\$ 10,565.00	\$ 39,780.00
Alternate H-1 Parcel No. 4, Radiology Rooms 265-A through 243	1,432.00	9,060.00
Total Contract	<u>\$ 11,997.00</u>	<u>\$ 48,840.00</u>
<u>Total All Contracts</u>	<u>\$ 41,373.00</u>	<u>\$ 104,040.00</u>

Funds for this project have been provided from Budget Account 801216  
(Hospital Air Conditioning).

E. Medical Area Parking Ramp

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(7 bids received 3-17-70)		
Robert W. Setterlin & Son (Columbus)		
Base bid	\$2,169,000.00	\$2,280,500.00
G-1 Add level 4	334,000.00	352,100.00
G-7 Traffic coating, level R	57,100.00	70,000.00
Total Contract	<u>\$2,560,100.00</u>	<u>\$2,702,600.00</u>
<u>Plumbing Contract</u>		
(8 bids received 3-17-70)		
Dixon and Sons, Inc. (Newark)		
Base bid	\$ 118,493.00	\$ 248,150.00
P-1 Add level 4	5,500.00	5,400.00
Total Contract	<u>\$ 123,993.00</u>	<u>\$ 253,550.00</u>



March 18, 1970 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

E. Medical Area Parking Ramp (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (6 bids received 3-17-70) States Electric Co., Inc. (Columbus)		
Base bid	\$ 274,800.00	\$ 334,220.00
E-1 Add level 4	32,100.00	14,000.00
Total Contract	<u>\$ 306,900.00</u>	<u>\$ 348,220.00</u>
 <u>Total All Contracts</u>	 <u>\$2,990,993.00</u>	 <u>\$3,304,370.00</u>

Funds for the portion of the project which is for parking have been provided in Budget Account 801031 (Parking Ramp - Medical Area) and for that portion of the project which is the helicopter landing deck from the University Hospital Rotary.

F. University Hospital - Electrical Distribution  
System in Patient Areas

On February 12, 1970, the Board of Trustees awarded this contract to the low bidder, Jess Howard Electric Company, in an amount of \$25,613.00. Subsequently, this contractor claimed an error in his bid and this has been substantiated by the Ohio Department of Public Works.

President Fawcett recommended therefore that the action of the Board concerning this award be rescinded and that the contract be awarded to the second low bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (4 bids received 1-20-70) Armstrong Electric Company (Columbus)	\$ 33,200.00	\$ 99,566.00

Funds for this project have been provided by a transfer from University Hospital Rotary to Budget Account 801156 (Starling Loving Electrical System).

Upon motion of Mr. Hilliker, seconded by Mr. Gibbs, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

- 15 Approves the release of \$3,060.00 from Item 315-068, H. B. 531, to provide funds for appraisal and legal fees in connection with the acquisition of property for the College of Agriculture and Home Economics.
- 17 Approves the transfer and release of \$650,000.00 from Item 315-016 Medical Complex, Phase III, to Item 315-076 Ambulatory Patient Teaching Facility, H. B. 531, to provide funds for architectural services, test borings, site surveys, advertising, etc., for the Ambulatory Patient Teaching Facility.

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Kenny Road-Tremont Road, Easements to City of Upper Arlington

WHEREAS, the City of Upper Arlington, Ohio, has requested permission to widen and improve Kenny and Tremont Roads on lands adjacent to the the University golf course; and

WHEREAS, this additional land will permit the City of Upper Arlington to improve the roadways and better facilitate the movement of traffic, President Fawcett recommended that the easements be granted to the City of Upper Arlington, Ohio; and

IT WAS RECOMMENDED FURTHER that the President and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for the improvement to Kenny and Tremont Roads.

B. Gas Line Easement - Columbia Gas of Ohio

WHEREAS, the construction of the Olentangy Freeway requires a major improvement to Ackerman Road; and

WHEREAS, the improvement to Ackerman Road will necessitate the relocation of a regulator station and a natural gas line running from Kenny Road to the Olentangy River Road along the south side of Ackerman Road; and

WHEREAS, this new right-of-way will permit Columbia Gas of Ohio, Inc., to relocate their existing regulator station and gas lines, President Fawcett recommended that the easement be granted to Columbia Gas of Ohio, Inc.; and

March 18, 1970 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Gas Line Easement - Columbia Gas of Ohio (continued)

IT WAS RECOMMENDED FURTHER that the President and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for this gas service.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the above recommendations were approved by unanimous roll call vote.

C. Railroad Siding Removal and Site Restoration - Employment of Engineers

President Fawcett recommended that the firm of Jones-Stuckey, Ltd., Columbus, Ohio, be employed to provide preparation of plans, specifications, contract documents and partial inspection for this project.

The fee for this service is 8 percent of the cost of the contracts and is estimated to be \$5,384.00. Funds for this project will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way and made available in Budget Account 801211.

D. Ohio Union - Revision of Dishwashing System

President Fawcett recommended that the firm of W. E. Monks, Columbus, Ohio, be employed to provide complete professional engineering services for the mechanical work for this project, including design, preparation of drawings, specifications, estimate of cost and supervision of work as required.

The fee for this service will be calculated on the basis of direct payroll cost times a multiple of two with the total not to exceed 7 percent of the value of applicable contracts and is estimated to be \$2,415.00. Funds for this project are available in Budget Account 921100 (Ohio Union Auxiliary Enterprise Account).

E. Ohio Stadium - Phase V

President Fawcett recommended that the firm of Tully, Hobbs & Partners, Columbus, Ohio, be employed to provide complete architectural engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and supervision of construction as required.

March 18, 1970 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Ohio Stadium - Phase V (continued)

The fee for this service will be calculated on the basis of the Architect's Society of Ohio standard fee of 8.5 percent of the estimated construction cost, less the State Architect's fee and the work previously done by the University Architect and is estimated to be \$62,548.00. Funds for this project have been provided through gifts from friends of the University and deposited in Budget Account 801125 (Ohio Stadium, Phase V).

F. Agricultural Technical Institute, Wooster -  
Employment of Architects

President Fawcett recommended that the firm of Tuchman-Canute, Architects, Akron, Ohio, be employed to provide complete architectural and engineering services for this project, including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and supervision of construction.

The fee for this service will be calculated on the basis of the fee schedules of the Architect's Society of Ohio of the AIA. Funds for this project have been provided from Item 235-010 Ohio Board of Regents Architectural Planning, H. B. 531, and Item 366-001 Agricultural Technical Institute, The Ohio State University, Wooster, H. B. 531.

G. Ohio Stadium - Artificial Turf

The Athletic Department through action taken by the Athletic Council has determined the desirability of replacing the natural turf with artificial turf in the Ohio Stadium and on one practice field.

President Fawcett recommended therefore that the President and/or the Vice President for Business and Finance be authorized to develop specifications and invite bids from the leading manufacturers of artificial turf, and further that the project be expedited in the normal University manner through the Department of Public Works. Since timely installation in keeping with manufacturer's recommendations is a mandatory part of this action, it was requested that an emergency be declared and authorization be given to advertise for a ten-day period.

Funds will be available in Budget Account 801226 in which gifts for this purpose will be deposited.

Upon motion of Mr. Hilliker, seconded by Mr. Jones, the above recommendations were approved by unanimous roll call vote.

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March 18, 1970 meeting, Board of Trustees

X. SALARY INCREASE FOR THE PRESIDENT

Mr. Ketterer made the following statement--

Members of the Board for some time have been considering the status of our President's salary. He came to the University in 1956-57 and has had two salary increases since that time--the last in 1964 which brought his salary to \$40,000. Anybody who has had the opportunity to observe at close range the energy that Novice Fawcett has displayed in directing the affairs of this University--which have not become any simpler as time has gone on--must look with a great deal of admiration on the unflagging energy he has displayed and the almost 24-hour-per-day service he has rendered to this University during the years he has served this University. Under these circumstances we must give serious consideration to the question of whether or not he is not at this time entitled to a salary adjustment in recognition of these tremendous efforts. I am safe in saying that no President of this University has done the Herculean work that Dr. Fawcett has in support of this University. This is our Centennial Year, and I think we would be decidedly remiss in our responsibility as Trustees if we did not raise Dr. Fawcett's salary.

Mr. Jones moved that President Fawcett's salary be increased to \$50,000 per year, effective April 1, 1970. Mr. Eckley seconded the motion which was approved by unanimous roll call vote.

President Fawcett responded by saying that he was deeply grateful to the Board for this action and that he appreciated the fact that the Board had recognized his efforts in behalf of the University.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Katherine Porter Allen, Assistant Dean and Secretary of the College of Administrative Science; David Floyd Baker, Professor and Chairman of the Department of Industrial Engineering; Philip J. Reel, Clinical Professor Emeritus in the Department of Obstetrics and Gynecology; and August Mahr, Professor Emeritus in the Department of German. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. Katherine Porter Allen

The Board of Trustees of The Ohio State University expresses its sorrow at the death on February 8, 1970, of Katherine Porter Allen, Assistant Dean and Secretary, College of Administrative Science.

March 18, 1970 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Katherine Porter Allen (continued)

Mrs. Allen was a native of Streator, Illinois. She received her Bachelor's Degree in Business Administration from The Ohio State University in 1927. During her school years she was elected to Mortar Board, national senior women's honorary, and to Beta Gamma Sigma, national business honorary. She was a member of Alpha Xi Delta Sorority. Later she became a respected and honored member of Altrusa International. After her graduation from college, Mrs. Allen accepted a position as assistant to the general merchandise manager of the Rike Kumler Company in Dayton, Ohio. She remained with that company for fifteen years until World War II, when she volunteered for service in the Women's Auxiliary of the United States Navy (WAVES). She became officer-in-charge of some 4,000 women in the nation's largest WAVE barrack in Washington, D. C. She had attained the rank of Lieutenant Commander prior to her leaving the service in 1945, when she returned to The Ohio State University to complete work toward a Master's Degree in Psychology. A month after her graduation in 1946, she was named assistant to the Junior Dean of the former College of Commerce and Administration. She was appointed an assistant professor of business organization in 1947, assistant junior dean in 1949, promoted to associate professor of business organization and appointed secretary of the college in 1955, and was named an assistant dean and secretary in 1966.

Mrs. Allen throughout all her 24 years of service acted as a counselor for students. She held the post of secretary and later advisor for the Beta of Ohio Chapter of Beta Gamma Sigma. She was active in Junior Administrative Council at The Ohio State University, working toward the solution of student administrative and relations problems.

Those who knew her knew that her world of work and her life were inseparable. Her name illuminated by her 24 years of dedicated service has become synonymous with professional education for business and the seeking and achieving of the highest standards of excellence. Mrs. Allen's concern for others in the context of the high standards she held for her college and herself identified her as a warm and sensitive person and gained for her the respect and loyalty of a great circle of friends among faculty, staff and students in the University.

The significant loss brought about by her untimely death will challenge the best from those remaining to carry on her work. Yet her memory leaves only inspiration with which the tasks can be undertaken.

On behalf of the University community, the Board of Trustees expresses to the family of Dean Allen its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University have sustained.

March 18, 1970 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

B. David Floyd Baker

The Board of Trustees expresses its sorrow at the death on February 10, 1970, of David Floyd Baker, Professor and Chairman of the Department of Industrial Engineering.

Dr. Baker was born in Blue Springs, Missouri, on September 19, 1919. He received his high school diploma from Saltcreek High School (Ohio) in 1937. He served in the U. S. Navy from 1940 to 1947 where he achieved the rank of Warrant Officer and won a Bronze Star and a Gold Star in lieu of a second Bronze Star. After receiving an honorable discharge from the Navy he enrolled in engineering at The Ohio State University. He earned the Bachelor of Industrial Engineering and Master of Science degrees in 1952 and the Ph. D. degree in 1957.

David Baker had a distinguished career as an engineering educator. He became an Instructor in the Department of Industrial Engineering at The Ohio State University in 1953, advancing to Assistant Professor in 1957, Associate Professor in 1958 and Professor in 1961. He was appointed Chairman of the Department of Industrial Engineering in 1964. His primary fields of interest were personnel and engineering administration. He was instrumental in designing the new physical facilities which now house the Industrial Engineering Department as well as being the chief architect of the new four-year undergraduate program in Industrial Engineering. He provided the leadership necessary to qualify the Department of Industrial Engineering at The Ohio State University to be placed among the outstanding departments in the nation offering such a program. Recognition of his outstanding work in Industrial Engineering is evidenced by his chairmanship of Region I of the Engineering Education and Accreditation Committee of Engineer's Council for Professional Development.

Dr. Baker was highly regarded as an administrator and engineer. He had an extensive history of summer and part-time consulting practice providing experience which he used effectively for the benefit of students. He was particularly active in labor arbitration work where his keen observations and understanding of human behavior gained for him wide recognition as a strong and honest man. These same characteristics led both faculty and students to seek his counsel on many diverse questions. He was very much interested in people and they responded favorably to that interest.

David F. Baker was active in a large number of professional and honorary societies. He held many offices at both the local and national level, including that of National President of Alpha Pi Mu, the industrial engineering honorary society.

In addition to his many professional activities, Dave Baker was known to friends as an avid bird watcher, handball player and pilot. He was past president of the Brooks Bird Club and the Columbus Audubon Society. The same enthusiasm which characterized his professional work made all who shared his avocations better persons for having known him. He had a lust for life which could be matched by very few people.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. David Floyd Baker (continued)

On behalf of the University at large, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

C. Philip J. Reel

The Board of Trustees expresses its sorrow at the death on January 25, 1970, of Philip J. Reel, M. D., Clinical Professor Emeritus in the Department of Obstetrics and Gynecology of The Ohio State University.

Dr. Reel was born in Union County, Ohio, on September 29, 1890. In 1911, he received, as his premedical training, the degree of Doctor of Veterinary Medicine. He felt, as was typical of his individualism, that this would be the best foundation for the study of Medicine. He received his Doctor of Medicine degree from The Ohio State University in 1915 and continued his training under the tutelage of the best surgeons of his time. This included a year in the gynecologic clinics of the University of Vienna in Austria.

Philip J. Reel and a handful of his colleagues were the very foundation of the faculty of our College of Medicine who, during many difficult years, weathered the storm of near collapse. He was a stern disciplinarian of the "old school" whose two chief objectives were that the student shall learn and the sick patient shall recover. His gruffness as a teacher was outshone only by his kindness to the patients and to the student, especially if he was sure the student was not aware of it at the moment.

Through his continuous efforts toward better teaching, as Chief of the Division of Gynecology of the Department of Surgery, he obtained approval of the residency training program in that specialty in 1935. Under his guidance and encouragement the Gynecologic Cancer Clinic was established in 1943 and was the first such clinic in the College of Medicine approved for the diagnosis and treatment of cancer by the American College of Surgeons. In 1945 he was singularly instrumental in securing faculty and University approval for the establishment and organization of the Department of Obstetrics and Gynecology. He served as the first chairman of the Department for several years.

Dr. Reel's contributions to the medical literature were many and included a textbook of gynecologic nursing. He was a member of Alpha Omega Alpha, Sigma Xi, a diplomate of the American Board of Obstetrics and Gynecology and a member of many other medical and surgical societies. In 1955, he served as President of The Ohio State University Medical Alumni Association. In 1957, he received the Alumni Achievement Award from the College of Medicine and in 1965, he was presented with the Honored Alumnus Certificate for fifty years of practice.



XI. RESOLUTIONS IN MEMORIAM (continued)

C. Philip J. Reel (continued)

With his background of training, vast experience, his inherent dexterity and strict self discipline, he became a master gynecologic surgeon. His fundamental philosophy and teachings will continue to live with the physicians he trained and their students for many years to come in this ever-changing world.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the College of Medicine and the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

D. August Mahr

The Board of Trustees of The Ohio State University expresses its sorrow at the death on January 21, 1970, of Dr. August Mahr, Professor Emeritus in the Department of German.

Dr. August Mahr was born July 15, 1886, in Frankfurt am Main. Between 1905 and 1911 he attended the Universities of Heidelberg, London, Caen, Frankfurt and Freiburg, receiving the Ph. D. degree from the University of Heidelberg in 1911. From 1912 to 1914 he was Visiting Instructor of German at Yale. After serving in the German armed forces in the First World War, he held administrative and teaching positions in Germany. In 1924 he immigrated to the United States and taught at Stanford University from 1924 to 1930, in which year he came to The Ohio State University as Professor of German. This position he held until his retirement in 1956.

Dr. Mahr's claim to distinction is a scholarly career of great merit and wide scope. He published several books in the field of Greek and Byzantine drama and numerous articles and essays dealing with German literature. After 1947 his work was chiefly devoted to the Moravian mission work among the Indians of Ohio, and this represents a most significant contribution to the early history of Ohio. Through his endeavors a very considerable number of early Moravian documents, written in German, have been made accessible to the historian and scholar. This work, sponsored by The Ohio State Archaeological and Historical Society, has proven to be an abundant source of information on all phases of pioneer life. Out of it grew a number of significant articles, ranging in subject matter from folklore, religious life and missionary activities in 18th century Ohio, to natural history, medicine and the linguistic analysis of Delaware and Algonquin Indian place names and designations of the flora and fauna of their land.

During his busy career he found time to hold important offices in a number of historical and scientific associations and organizations. In 1945 he served as Research Analyst with the U. S. Strategic Bombing Survey of Europe.

March 18, 1970 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

D. August Mahr (continued)

Professor Mahr was an interesting and stimulating teacher. He was liked by his students because of his genuine human concern and his warmth and sincerity. He inspired his friends and students with his imaginative spirit, his dedication to his scholarly work and his capacity for understanding.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Mahr its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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XII. REPORTS

A. Highlights of University Activities

President Fawcett reported to the Board on some of the significant activities that have taken place or will take place in the near future. Some references included in this report, which is filed with the official records of the Secretary, were as follows:

1. Mr. James Reston, Vice President of The New York Times, will speak at the University Charter Day Convocation to be held Sunday, March 22, as a major event of the Centennial Year observance. Charter Day will mark the 100th anniversary of the signing in 1870 of legislation which established the University.
2. Ohio State will confer degrees on some 1,234 seniors and graduate students at Winter Commencement ceremonies on Thursday, March 19, in St. John Arena. Mr. John Ciardi, poetry editor of the Saturday Review, will deliver the Commencement Address.
3. The University over the past decade was the nation's eighth-largest producer of doctoral degrees, according to a report of the U. S. Office of Education. During the 10 academic years ending with 1967-68, Ohio State had a total of 3,348 doctoral graduates.
4. The College of Dentistry will lead the nation's 52 dental colleges in enrollment when a \$6.5 million expansion program is completed. The expansion will allow the College to increase the size of its freshman class to 200 from the present 155.

March 18, 1970 meeting, Board of Trustees

XII. REPORTS (continued)

B. Report on the University's Investment Portfolio

The report dated March 17, 1970, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Thursday, April 9, 1970, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

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APPENDIX V

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

March 19, 1970

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# The Recipients of the Honorary Degrees

HENDRIK W. BODE  
Doctor of Science

*Internationally recognized scientist, administrator, and author, whose pioneering contributions to engineering are used worldwide*

So extensive are the accomplishments of Hendrik W. Bode that no student in any part of the world can obtain an electrical engineering education without studying the classical techniques which bear his name. His writings have gained world recognition. Even today nearly all classical control systems texts devote large sections specifically to his work. In addition, the vast majority of classical system and network design is still performed using his techniques.

A graduate of The Ohio State University, he joined the Bell Telephone Laboratories in 1926 where he specialized in mathematical methods for electrical network analysis and the application of this analysis to long-distance communication. The next decade saw revolutionary technological developments in this area brought about principally by Dr. Bode and his colleagues at Bell Labs. During this period he earned a Ph.D. degree from Columbia University.

In 1939 Dr. Bode completed a text which presented, for the first time, thoroughly scientific methods for the analysis and synthesis of control systems. This information was disseminated throughout the scientific community during World War II and provided the foundation for truly innovative system developments during that period. For his personal contributions to the defense effort, Dr. Bode was awarded the Presidential Certificate of Merit in 1948.

Following this era of outstanding personal accomplishments, Dr. Bode entered the second phase of his illustrious career, that of engineering management, and advanced rapidly through a series of supervisory positions to Vice President of the Bell Telephone Laboratories. His administrative leadership was instrumental in helping the Bell system achieve a position of world prominence in communication technology. Upon his retirement from Bell in 1967, Dr. Bode became the Gordon McKay Professor of Systems Engineering at Harvard University.

The Ohio State University is proud to honor a man whose extraordinary achievements have exerted a profound influence upon thousands of students and, indeed, upon communications systems for the entire world.

WILLIAM W. COOPER  
Doctor of Science

*Creative research scholar and teacher of the quantitative and behavioral disciplines, architect of innovative structures for administrative science*

The career of William W. Cooper, Dean of the new School of Urban and Public Affairs, Carnegie-Mellon University, exemplifies the genius of American scholars and universities for developing new academic approaches to solve old problems.

Educated at the University of Chicago and Columbia University, he is the distinguished student of a distinguished professor of accounting, Eric Kohler, at one time a faculty member at The Ohio State University. In turn, Dean Cooper has been the inspiration for a group of talented students whose unique investigations have created new accounting and management measures.

A pioneering scholar, he has published more than one hundred articles, as well as several books, which have had a major impact, not only on accounting, but on a wide range of other disciplines, including economics, operations research, statistics, and management science. Despite the administrative demands of his present post, he continues to produce research which is always thoroughly integrated with the actual world.

Dean Cooper has been a moving force in the development and implementation of at least three major structures which seek to contribute an additional dimension to our society through research in the quantitative and behavioral sciences. First, for more than two decades he was a key figure in the development of the Carnegie-Mellon Graduate School of Industrial Management, now the primary model for schools for business and government throughout the world. Second, he was the founder and first president of The Institute of Management Science, now the organizational focal point for a whole new breed of international scholars. Finally, in recent years, much of his discerning but zestful intellect has been devoted to the development of another new school of administrative science, this one concerned with the fundamental quality of our daily life.

The Ohio State University is proud to recognize this remarkable American and creative catalyst who is so effective in getting experience out of his ideas.

## HENRY B. HASS

### Doctor of Science

*Eminent scientist, recognized nationally for his extraordinary achievements in the fields of chemistry, engineering, and education*

The contributions of Henry B. Hass extend far beyond the chemistry laboratory. His life and habits, his very personality reveal a profound understanding of the human condition and have set a contagious example for his students and colleagues.

Dr. Hass received his Ph.D. degree from The Ohio State University in 1925. After three years of industrial research, he joined the faculty of Purdue University where he served for twenty-one years, more than half that period as Chairman of the Department of Chemistry.

While at Purdue Dr. Hass was involved with the creation of the Purdue Research Foundation and was in charge of the foundation's first project which resulted in rules for predicting the products of the chlorination of hydrocarbons. The fundamental work of Dr. Hass and his students on this project led directly to important commercial chemicals as well as to a new line of resins for plastics. Next came the discovery by Dr. Hass and his students that paraffin hydrocarbons could be nitrated in a vapor process to produce high yields of products that soon found applications in industry.

In the early 1940's Dr. Hass became associated with the Manhattan Project where he developed methods for producing essential fluorocarbons needed for gaseous diffusion operations installed at Oak Ridge National Laboratory. He left Purdue in 1949 to become Manager of Research and Development for General Aniline and Film Corporation. From 1952 to 1961 he served as Director of the Sugar Research Foundation, then joined the M. W. Kellogg Company as Manager of Chemical Research and Development and now serves that firm as a full-time consultant.

In 1968 the American Chemical Society honored Dr. Hass by awarding him the prized Perkin Medal. In 1969 his achievements were also recognized when he received the Gold Medal of the American Institute of Chemists.

The Ohio State University is proud to honor a distinguished alumnus for his outstanding contributions to science and his fellow man.

## MAYNARD K. HINE

### Doctor of Science

*Able and respected academic administrator, productive author and scholar, dedicated leader in the field of dentistry*

In the current period of history, when university administrators are often neither liked nor respected by some in the academic community, Maynard K. Hine stands out as a scholar, teacher, and administrator who retains the respect and affection of his colleagues and students.

As Chancellor of the new Indiana University—Purdue University at Indianapolis, he has undertaken the challenging assignment of forging an alliance between the urban campuses of two major universities. The task required an academic statesman, a man of vision and personal distinction as scholar and teacher. All of these qualifications Chancellor Hine had amply demonstrated throughout a distinguished career as one of the nation's leading educators in the field of dentistry.

Dr. Hine received his dental education at the University of Illinois where he taught for a decade before joining the School of Dentistry at Indiana University in 1944. The next year he was named Dean, a position he held until 1969 when he became Chancellor. During his years as Dean, his extraordinary leadership abilities and his scholarly productivity carried him to a position of eminence in his field, as evidenced by his services as president of many professional organizations, including the American Dental Association, the American Association of Dental Schools, and the International Association for Dental Research.

Co-author of five books, contributor of numerous articles to scientific journals, Dr. Hine also serves as editor of the American Journal of Periodontology, a position he has held since 1950. He has served as Chairman of the Council on Dental Research of the American Dental Association, member of the Board of Regents of the National Library of Medicine, and member of the National Advisory Dental Research Council of the Department of Health, Education, and Welfare, to note but a few of many positions of professional service which he has filled.

For his extensive contributions to the dental profession, Dr. Hine has been widely recognized and honored. The Ohio State University adds with pride a new accolade in recognition of scholarly attainments of the highest order.



ALVAH PETERSON

Doctor of Science

*Gifted teacher and research entomologist, whose contributions to science and to man span more than half a century*

Alvah Peterson has had a significant and lasting influence of major proportions in the fields of entomology and environmental quality. His contributions include studies of the structure of the order of thrips, macrophotography of insect eggs, and techniques for the study of insects in the field and laboratory. He produced the classic work of an identification system for immature insects and pioneered the development of biological control.

Dr. Peterson saw the importance and possibilities of using parasitic and predacious insects to assist in the control of damaging insect pests long before the concept of biological control was generally appreciated in the United States. His investigations were conducted before the significance of ecological balance, or the dangers of persistent insecticides in the environment were recognized by the public, or by most entomologists. Modern procedures for reducing hazardous pesticides in our environment can, in part, be traced to the pioneering efforts of Alvah Peterson.

Alvah Peterson's two-volume work, *Larvae of Insects*, is a classical contribution to systematics. Until the publication of Dr. Peterson's system of identification based upon insect larvae, there was no satisfactory procedure for obtaining accurate identification of immature insects. These books have guided researchers and insect control specialists around the world and are the basis for courses in insect study at many universities.

Dr. Peterson is a graduate of Knox College and the University of Illinois. He taught at Rutgers University and later was appointed senior entomologist for the U.S.D.A. Bureau of Entomology. In 1928, Dr. Peterson joined the faculty of The Ohio State University and served with distinction until his retirement as Professor Emeritus in 1958.

Possessor of a rare combination of kindness, compassion, vision, and high scholarly ability, Alvah Peterson inspired in students and colleagues at Ohio State a confidence and trust rarely found in men. The Ohio State University is proud to honor a renowned scholar and an outstanding teacher.

## Graduate School

Dean: Richard Armitage

### Doctor of Philosophy

Ninety-seven candidates

Robert Wilson Adams, Dayton  
B.A., M.A., (Syracuse University)  
*Dissertation:* Urban Renewal Politics: A Case Study of Columbus, Ohio 1952-1961  
*Field of Specialization:* Political Science

Girish Kumar Agrawal, New Delhi, India  
B.Sc. (Allahabad University); B.E. (Roorkee University); M.E. (Indian Institute of Science)  
*Dissertation:* General Theory of Heterogeneous Elastic Plates  
*Field of Specialization:* Engineering Mechanics

Earl Betson Alexander, Jr., Westerville  
B.S. in Agr., M.S.  
*Dissertation:* A Chronosequence of Soils on Terraces along the Cauca River, Colombia  
*Field of Specialization:* Agronomy

James William Altschuld, Cleveland Heights  
A.B. (Case Western Reserve University); M.S.  
*Dissertation:* A Study of an Experimental Training Program in Educational Research and Development—The Measurement and Analysis of Factors Predictive of Graduate Student Success  
*Field of Specialization:* Education

John Scribner Barclay, Branford, Conn.  
B.S. (University of Maine); M.S. (Pennsylvania State University)  
*Dissertation:* Ecological Aspects of Defensive Behavior in Breeding Mallards and Black Ducks  
*Field of Specialization:* Zoology

Keith David Barnes, Columbus  
B.S. in Edu., M.A.  
*Dissertation:* The School Counselor Preferences of Senior High School Students  
*Field of Specialization:* Education

Robert Bruce Beelman, Columbus  
B.S. (Capital University); M.S.  
*Dissertation:* The Effect of Grape Must Pressing Treatments on Some Factors of Importance to the Stimulation of Induced Malo-Lactic Fermentation  
*Field of Specialization:* Horticulture

Duane Erman Bell, Columbus  
B.S. (Muskingum College); M.S. (Miami University)  
*Dissertation:* Kinetics of  $^{14}\text{CO}_2$  Uptake in Relation to Photorespiration and Nitrate Reduction  
*Field of Specialization:* Botany

Amar Krishan Bhargava, Jaipur, India  
B.V.Sc. and A.H. (University of Rajasthan); M.S.  
*Dissertation:* The Clinical Evaluation of Contrast Pleurography and Pleurographic Media in Dogs  
*Field of Specialization:* Veterinary Surgery and Radiology

Lakew Birke, Dire Dawa, Ethiopia  
B.S. (Imperial Ethiopian College of Agricultural and Mechanical Arts); M.S.  
*Dissertation:* The Impact of the Dogali Irrigation Project on the National Income of Ethiopia  
*Field of Specialization:* Agricultural Economics and Rural Sociology

Richard Brian Bonnett, Jamestown, N. Y.  
B.S. (Allegheny College); M.S. (University of Maine)  
*Dissertation:* Glacial Sequence of the Upper Boulder Creek Drainage Basin in the Colorado Front Range  
*Field of Specialization:* Geology

Howell Keith Brewer, Fairborn  
B.M.E. (Cleveland State University); M.S.  
*Dissertation:* Stresses and Deformations in Multiply Bias Pneumatic Tires Subject to Inflation Pressure Loading  
*Field of Specialization:* Engineering Mechanics

Dean Raymond Brown, Columbus  
B.S.E.E. (Rose Polytechnic Institute); M.S.E. (Rensselaer Polytechnic Institute); M.S.  
*Dissertation:* B-Convexity in Banach Spaces  
*Field of Specialization:* Mathematics

Donna Browder Brown, Columbus  
B.S. in Edu., M.A.  
*Dissertation:* Toward a Methodology for Improving Vocabulary Development of Low-Income Children  
*Field of Specialization:* Education

Theodore Grant Brown, Cincinnati  
A.B. (University of Cincinnati); M.A.  
*Dissertation:* Semantic Structure and the Teaching of French  
*Field of Specialization:* Education

Seifrid Paul Bruny, Columbus  
B.S. in Agr., M.A.  
*Dissertation:* Educational and Experiential Backgrounds of Adult Educators in Franklin County, Ohio and Their Training Needs  
*Field of Specialization:* Education

James Lee Bunyan, Dayton  
A.B. (Earlham College)  
*Dissertation:* The Change of Floating Potential Resonance Probe in the Flight Dynamics Laboratory Arc Flowing Plasma  
*Field of Specialization:* Physics

James Osmer Carpenter, Ann Arbor, Mich.  
B.A. (Michigan State University); M.A.  
*Dissertation:* Dyadic Congruency Profiles  
*Field of Specialization:* Sociology

Frank Louis Damm, Cleveland  
B.S. (University of Dayton); M.S.  
*Dissertation:* Silicon I GF-Values  
*Field of Specialization:* Astronomy

Sister Mary Faith Dargan, Columbus  
B.A. (Albertus Magnus College); M.A. (Boston College)  
*Dissertation:* The Interplay of *Ethos* and Legal Issues in Certain Private Orations of Demosthenes  
*Field of Specialization:* Classics

Jon Kingsley Davis, Salt Lake City, Utah  
B.S. in Edu., M.A. (Ball State University)  
*Dissertation:* Cultural Affirmations as a Source of Curriculum Content and Design Elements  
*Field of Specialization:* Education

Gilbert Pharee Dempsey, Henderson, Ky.  
B.S. in Agr. (University of Kentucky); M.S.  
*Dissertation*: The Movement of Eggs through the  
Columbus, Ohio Metropolitan Area, 1962-63  
*Field of Specialization*: Poultry Science

Larry Allan Diehl, Flint, Mich.  
B. of Aero. Eng. (University of Detroit)  
*Dissertation*: An Experimental Investigation of the Role  
of Resonance Heating in the Autoignition of Flowing  
Combustible Gas Mixtures  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

Joseph Wayman Duncan, Worthington  
B.S. in Mech. Engr. (Case Western Reserve University);  
M.B.A. (Harvard University)  
*Dissertation*: Technical Manpower in a Research  
Organization: A Case Study of Patterns of Job  
Preparation and Job Function  
*Field of Specialization*: Economics

John Charles Durance, Bucyrus  
B.S. in Edu.  
*Dissertation*: Samuel Hallett: The Career of an American  
Promoter, with Implications for the Teaching of History  
*Field of Specialization*: Education

Lowell Reid Duren, Westminster, Md.  
B.S. (Southwestern State College); M.Nat.Sci.  
(University of Oklahoma)  
*Dissertation*: An Adaptation of the Moore Method to the  
Teaching of Undergraduate Real Analysis—A Case Study  
Report  
*Field of Specialization*: Education

William Leroy Felix, Jr., Missoula, Mont.  
B.S.B.A., M.S.B.A. (Montana State University)  
*Dissertation*: The Relationship between Technical Change  
and Reported Performance  
*Field of Specialization*: Accounting

Edwin Mark Greenberg, Brooklyn, N. Y.  
B.S. (Brooklyn College); M.A.  
*Dissertation*: Cueing to Forget in a Short-Term Memory  
Task: A Comparison Between Schizophrenic and Control  
Subjects in the Ability to Reduce Proactive Interference  
*Field of Specialization*: Psychology

Madeline Molnar Hall, Cleveland  
B.S.  
*Dissertation*: Receptor Mechanisms Involved in the  
Regulation of ACTH Secretion  
*Field of Specialization*: Pharmacology

James Francis Hamilton, Cleveland  
B.S. in Edu. (Kent State University); M.A.  
*Dissertation*: Rousseau's Socio-Political Concept of  
Literature  
*Field of Specialization*: Romance Languages

Farouk Aly Hassan, Alexandria, United Arab Republic  
B.Sc.Agr., M.Sc. (Alexandria University)  
*Dissertation*: Effect of Composition of Leaching Solutions  
and Leaching Patterns on the Hydraulic Conductivity of  
Swelling Porous Materials  
*Field of Specialization*: Agronomy

Lowell Eugene Hedges, Green Camp  
B.S. in Agr., M.S.  
*Dissertation*: The Feasibility of Using Videotape  
Techniques in Pre-Service Teacher Education in  
Agriculture  
*Field of Specialization*: Agricultural Education

David Allen Hill, Rocky River  
B.S.E.E., M.S. (Ohio University)  
*Dissertation*: Electromagnetic Scattering Concepts  
Applied to the Detection of Targets Near the Ground  
*Field of Specialization*: Electrical Engineering

Carl Boyd Hilland, Albuquerque, N. Mex.  
B.S. (United States Naval Academy); M.S.Nucl.E.  
(United States Air Force Institute of Technology)  
*Dissertation*: Production and Diagnostic Measurements of  
a Pulsed High Density Kilovolt Plasma Employing a  
Noncylindrical Z Pinch  
*Field of Specialization*: Physics

Lawrence Edwin Hooks, Dayton  
B.S. (Case Western Reserve University)  
*Dissertation*: An Analytical Model for Estimating Total  
Heart Power Output with and without Whole-Body  
Vibration  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

James Emery Houseman, North Canton  
B.Cer.E.  
*Dissertation*: Pilot Scale Studies of the Influences of  
Kiln Atmospheres in Firing Structural Clay Products  
*Field of Specialization*: Ceramic Engineering

Stephen Craig Hurlock, Walled Lake, Mich.  
B.A. (Kalamazoo College)  
*Dissertation*: High Resolution Absorption Spectra of the  
Isotopic Modifications of Nitrogen Dioxide and other  
Small Molecules  
*Field of Specialization*: Physics

Charles Willis Hutchins, Jr., Feasterville, Pa.  
B.A., M.A. (California State College at Los Angeles)  
*Dissertation*: A New Approach to the Construction of a  
Prediction Battery  
*Field of Specialization*: Psychology

Anthony Gabriel Jennetti, Lebanon, Pa.  
B.S. (Pennsylvania State University); M.S.  
*Dissertation*: Increased-Directivity Antennas  
*Field of Specialization*: Electrical Engineering

Evelyn Hume Johnson, Lexington, Ky.  
B.S. (Eastern Kentucky State College); M.A. in Ed.  
(University of Kentucky)  
*Dissertation*: An Investigation of Food Purchasing  
Practices of Selected Low-Income Homemakers  
*Field of Specialization*: Home Economics

Robert Suddards Joyce, Portland, Me.  
B.A. (University of Maine); M.A.  
*Dissertation*: A History of the Armbruster Scenic Studio  
of Columbus, Ohio  
*Field of Specialization*: Theatre

Sami Yusef Kalliney, Abu Kurkas, United Arab Republic  
B.Sc. and Ed. (Teachers Training College, Cairo);  
M.A., M.S.  
*Dissertation*: Complexes of Some Monovalent and Divalent  
Cations with Tri- and Tetrametaphosphate in Aqueous  
Solution  
*Field of Specialization*: Chemistry

Chin Hyung Kim, Seoul, Korea  
B.A. (University of Minnesota); A.M. (Columbia  
University)  
*Dissertation*: Studies in Perturbation Theory  
*Field of Specialization*: Chemistry

David Reid Lankard, Columbus  
B.S. (Indiana University); M.S. (University of Illinois)  
*Dissertation*: The Dimensional Instability of Heated  
Portland Cement Concrete  
*Field of Specialization*: Ceramic Engineering

Lloyd Luther Laubach, Yellow Springs  
B.S. in Educ. (Central State College); M.S. (University  
of Oregon)  
*Dissertation*: Characteristics of the Range of Joint Motion  
and its Relationship to Selected Anthropometric  
Dimensions and Somatotype Components  
*Field of Specialization*: Physical Education

Walter John Lesiak, Jr., Meriden, Conn.  
B.S. (Central Connecticut State College); M.A.  
*Dissertation*: The Relationships of the Internal-External  
Locus of Control Dimension to Scholastic Achievement,  
Reflection-Impulsivity and Residence in Priority Areas  
*Field of Specialization*: Psychology

Wiley Buford Lewis, St. Paul, Va.  
B.S. (Virginia Polytechnic Institute); M.S. (West  
Virginia University)  
*Dissertation*: Agricultural Mechanics as Performed on  
Ohio Farms in Comparison with Offerings in Vocational  
Agriculture  
*Field of Specialization*: Agricultural Education

Jenn Huei Liang, Tainan, Taiwan  
B.S. (Cheng Kung University)  
*Dissertation*: Improved Methods of Calculation of Energy  
Localized Molecular Orbitals: Methods of Steepest and  
Principal Ascents and Applications to the  $H_2O$ ,  $NH_3$ ,  $CH_4$ ,  
 $HCHO$ , and  $CH_3OH$  Molecules  
*Field of Specialization*: Chemistry

Alfred Lovitz, Jr., Mt. Hope, W. Va.  
B.S., M.S. (Marshall University)  
*Dissertation*: Nocturnal Roosting Behavior of Some  
Members of the Family Icteridae and Their Allies in  
Deciduous Roosts as Recorded by the Infra-Red Imaging  
Camera  
*Field of Specialization*: Zoology

Eugene Stephen Lubot, Norton, Mass.  
A.B. (University of Pennsylvania); M.A. (University of  
South Carolina)  
*Dissertation*: Ts'ai Yuan-pei from Confucian Scholar to  
Chancellor of Peking University, 1868-1923: The Evolution  
of a Patient Reformer  
*Field of Specialization*: History

Jesse Beadles Lumsden, III, Columbus  
B.S. (Richmond College)  
*Dissertation*: Quadrupole Splitting of  $AL^{27}$  Nuclear  
Magnetic Resonance in Topaz  
*Field of Specialization*: Physics

Tushar Kanti Maitra, Sindri, Bihar, India  
B.Sc., B.M. and S. (University of Calcutta); M.S.  
*Dissertation*: A Study of the Alpha-2 Fraction of Serum  
Protein in Viral Hepatitis  
*Field of Specialization*: Pathology

Andrés Manring, Raleigh, N. C.  
B.S.  
*Dissertation*: The Staircase Phenomenon in Guinea Pig  
Left Atria: A Calcium Exchange Model  
*Field of Specialization*: Physics

Fathi Elsayed Mattar, Kafr Elzayat, United Arab  
Republic  
B.S. (Alexandria University)  
*Dissertation*: Changes in Cellular Morphology and  
Macromolecule Synthesis During Excystment of  
*Acanthamoeba castellanii*  
*Field of Specialization*: Zoology

James Duval McCarthy, United States Air Force  
Academy, Colo.  
B.A. (University of Notre Dame); M.A.  
*Dissertation*: Duty and Interest in Butler's Moral Theory  
*Field of Specialization*: Philosophy

Roy Barnard McCauley, III, Worthington  
B.S.  
*Dissertation*: Early Effects of Phenobarbital on  
Cytoplasmic RNA in Rat Liver  
*Field of Specialization*: Pharmacology

Michael Lathrop McMillan, Detroit, Mich.  
B.S.E., M.S.E. (University of Michigan)  
*Dissertation*: Drag Reduction and Light Scattering Studies  
of Aluminum Disoaps in Toluene  
*Field of Specialization*: Chemical Engineering

James Joe Melton, Cincinnati  
A.B. (Eastern Kentucky University); M.Ed. (University  
of Cincinnati)  
*Dissertation*: Old Order Amish Awareness and  
Understanding of Mental Retardation: A Religious  
Subcultural Approach to the Phenomenon  
*Field of Specialization*: Education

Lois M. Frolkis Messerman, Cleveland  
A.B. (Case Western Reserve University);  
M.S. (Georgetown University)  
*Dissertation*: The Theatre of Fernando Arrabal: A  
Garden of Earthly Delights  
*Field of Specialization*: Romance Languages

Robert James Miller, Uhrichsville  
B.Cer.E., M.S.  
*Dissertation*: Stoichiometric and Compositional Effects in  
Cryochemically Processed Barium Ferrite Ceramics  
*Field of Specialization*: Ceramic Engineering

Neil Byron Mills, Fairfax, Va.  
B.S. (Cornell University); B.S. (University of Hawaii);  
M.S.  
*Dissertation*: Production Functions of Small Commercial  
Farms in the East North Central States, 1966  
*Field of Specialization*: Agricultural Economics and  
Rural Sociology

John Colin Nash, London, Ont., Canada  
B.A. (Hons.) (University of Western Ontario);  
M.S. (University of Illinois)  
*Dissertation*: The Relationship of Ordinal Status to  
Sex-Role Identity, Father-Identification, and Self-Esteem  
among University Males  
*Field of Specialization*: Physical Education (Health  
Education)

Gabriel Francis També Obenson, Mamfe, West Cameroon  
B.Sc. (International Training Center for Aerial Survey,  
Holland); M.S.  
*Dissertation*: Direct Evaluation of the Earth's Gravity  
Anomaly Field from Orbital Analysis of Artificial  
Earth Satellites  
*Field of Specialization*: Geodetic Science

Manuel Trinidad Pacheco, Maxwell, N. Mex.  
A.B. (New Mexico Highlands University)  
*Dissertation*: The Role of Meaning in the Teaching of  
Modern Foreign Languages  
*Field of Specialization*: Education

Robert Edgar Peters, Springfield  
B.S. in Edu., M.A.  
*Dissertation*: Relationships Between Characteristics of  
Trainees and Completion of On-the-job Training  
*Field of Specialization*: Education

James Valerian Pinto, Bombay, India  
B.Sc., B.Sc.Chem. (University of Bombay)  
*Dissertation*: The Synthesis of 2-Amino-2-Deoxy  
Disaccharides  
*Field of Specialization*: Chemistry

Michael Jerome Quigley, Columbus  
A.B., M.E. (Central State University)  
*Dissertation*: A Study of Carl Sandburg: A Major Writer  
for the Secondary School of Today  
*Field of Specialization*: Education

Raymond Henry Reisenger, Scotia, N. Y.  
B.S., M.S. (State University of New York at Albany)  
*Dissertation*: Characteristics and Perceptions of Seniors  
Enrolled in New York State Area Vocational Centers  
*Field of Specialization*: Education

Robert Emmett Roche, Jr., Celina  
B.C.E., M.S.  
*Dissertation*: Oxygen Transport and Reaction Kinetics in  
Activated Sludge  
*Field of Specialization*: Civil Engineering

Michael Larry Rose, Roanoke, Va.  
B.S. (Roanoke College); M.S.  
*Dissertation*: Applications and Development of Thin  
Layer Electro-chemistry Employing Twin Dropping  
Mercury Electrodes  
*Field of Specialization*: Chemistry

Fraze Lee St. John, Oxford  
B.S.Ed. (Miami University); A.M. (Indiana University)  
*Dissertation*: The Life History and Reproduction of the  
Crayfish *Orconectes sanborni* (Faxon) (Crustacea:  
Decapoda: Astacidae)  
*Field of Specialization*: Zoology

Jeffrey Schilit, Columbus  
B.S. in Ed. (California State College, Pennsylvania);  
M.Ed. (Pennsylvania State University)  
*Dissertation*: Attitudes of Coaches and Educable Mental  
Retardates Toward the Retardates' Participation in  
Interscholastic Athletic Competition  
*Field of Specialization*: Education

Ben Marshall Schowe, Jr., Columbus  
B.A. (Gallaudet College); M.A.  
*Dissertation*: Education of the Deaf in the Sixties: A  
Description and Critique  
*Field of Specialization*: Education

Joseph Francis Schwietering, Columbus  
B.S.  
*Dissertation*: Devonian Shales of Ohio and Their Eastern  
Equivalents  
*Field of Specialization*: Geology

Marilyn Cole Shea, Trotwood  
B.S. (New York State University College of Education,  
Cortland); M.A.  
*Dissertation*: The Differentiation of Judgment  
*Field of Specialization*: Psychology

Florence Elizabeth Sims, Pascagoula, Miss.  
B.A. (University of Mississippi); A.M. (Indiana  
University)  
*Dissertation*: Oviposition Inhibition in *Sinella curviseta*  
Brook (Collembola: Entomobryidae)  
*Field of Specialization*: Zoology

Kenneth Larry Smith, Albuquerque, N. Mex.  
B.S. (New Mexico State University); M.S.  
*Dissertation*: The IgG Immunoglobulin of Bovine Lactal  
Secretion and a Possible Role of Estrogen on IgG<sub>1</sub>  
Concentration  
*Field of Specialization*: Dairy Science

Thomas Herman Smith, La Grange, Ill.  
B.S. in Ed., M.A. (Miami University)  
*Dissertation*: A Description and Analysis of the Early  
Diffusion of Color Television in the United States  
*Field of Specialization*: Speech

John Nunnelee Snider, Knoxville, Tenn.  
B.I.E., M.S.  
*Dissertation*: The Development of a Perceptually Based  
Model of the Human Controller  
*Field of Specialization*: Industrial Engineering

Louis Stamps, Arlington Heights, Ill.  
B.S. (Pennsylvania State University); M.A. (Bucknell  
University)  
*Dissertation*: The Effects of Intervention Techniques on  
Fear of Failure Behavior  
*Field of Specialization*: Psychology

George Frederick Starner, Florham Park, N. J.  
A.B. (Oberlin College); A.M. (University of Michigan)  
*Dissertation:* Variation in the Level of Taxes on Property:  
An Ohio Case  
*Field of Specialization:* Economics

Alan Jerald Stevens, Dayton  
B.S. (University of Dayton)  
*Dissertation:* Determination of the Axial Vector to  
Vector Ratio in the Beta Decay of the Lambda Hyperon  
*Field of Specialization:* Physics

Joseph Francis Stranges, Jr., Columbus  
B.S. in Edu., M.A.  
*Dissertation:* A Comparative Study of the Open and the  
Closed-Minded Students' Preferences for Lecture or  
Discussion Methods  
*Field of Specialization:* Education

James Arthur Swenberg, Columbus  
B.S., D.V.M. (University of Minnesota); M.S.  
*Dissertation:* Experimental Neurooncogenesis Using  
Resorptive Nitrosoureas  
*Field of Specialization:* Veterinary Pathology

Donald Conrad Tetmeyer, Grove City  
B.I.E. (Syracuse University); M.S. (Air Force Institute  
of Technology)  
*Dissertation:* The Influence of Partial Models and  
Criterion Measurement Scales on Consideration of  
Incommensurate Criterion Variables in a Complex  
Decision  
*Field of Specialization:* Business Organization

Fred Arnold Thornton, Tallahassee, Fla.  
B.S., M.Acc. (Florida State University)  
*Dissertation:* An Examination of the Economic  
Implications Inherent in Federal Power Commission Cost  
Allocation Policies for Natural Gas Pipeline Companies  
for the Period 1952-1967  
*Field of Specialization:* Accounting

Daniel Edward Tira, Joliet, Ill.  
B.S. (Saint Procopius College, Illinois)  
*Dissertation:* An Introduction to the Theory and  
Application of the Product-Moment Family of  
Correlations via a Computer Assisted Instructional  
System  
*Field of Specialization:* Education

Donald Eugene Trent, Grove City  
B.S., M.S. (Canisius College)  
*Dissertation:* High Pressure Synthesis and Influence of  
Pressure on Cation Distribution in 2-3 and 2-4 Spinels  
*Field of Specialization:* Mineralogy

Leonard Lo-Ho Tsai, Columbus  
B.E.E., M.S.  
*Dissertation:* Analysis and Measurement of a Dipole  
Antenna Mounted Symmetrically on a Conducting Sphere  
or Cylinder  
*Field of Specialization:* Electrical Engineering

John David Turnbull, Brookville, Pa.  
B.S. (Pennsylvania State University)  
*Dissertation:* The Inhibition of Hepatic Drug Metabolism  
by Some N,N'-bis(dichloroacetyl) diamines  
*Field of Specialization:* Physiological Chemistry

Robert Herman Vorsteg, Decatur, Ga.  
B.A. (Florida State University); M.A.  
*Dissertation:* Philosophical Explications of Meaning  
*Field of Specialization:* Philosophy

Richard Gary Wettan, New York, N. Y.  
B.A. (Queens College); M.S.Ed. (Brooklyn College)  
*Dissertation:* The Life and Contributions of George Louis  
Meylan, M.D., to Physical Education and Camping  
*Field of Specialization:* Physical Education

John Austin White, Jr., Blacksburg, Va.  
B.S.I.E. (University of Arkansas); M.S. (Virginia  
Polytechnic Institute)  
*Dissertation:* Normative Models for Some Segregated  
Storage and Warehouse Sizing Problems  
*Field of Specialization:* Industrial Engineering

Tso-hai Wu, Tsoying, Taiwan  
B.S.E.E. (Chinese Naval College of Technology);  
M.S.E.E. (United States Naval Post Graduate School)  
*Dissertation:* Time Optimal Control with a Fuel  
Constraint for Linear Time-Invariant Second-Order Plants  
*Field of Specialization:* Electrical Engineering

Houng-Yi Yang, Hsinchu, Taiwan  
B.S. (National Taiwan University); M.S. (University of  
Minnesota)  
*Dissertation:* Phase Equilibria of the Join Akermanite-  
Anorthite-Forsterite in the System  $\text{CaO-MgO-Al}_2\text{O}_3\text{-SiO}_2$   
at Atmospheric Pressure  
*Field of Specialization:* Mineralogy

Heh-nien Yieh, Taipei, Taiwan  
B.S. (Tungshai University); M.S. (Iowa State University)  
*Dissertation:* Turbulent Mixing with Chemical Reaction  
*Field of Specialization:* Chemical Engineering

Myron Michael Zajkowski, Detroit, Mich.  
B.A., M.A. (Bowling Green State University)  
*Dissertation:* The Role of Reinforcement in Simple  
Monitoring Behavior  
*Field of Specialization:* Psychology

**Certificate of Specialist in  
Educational Administration**

One candidate

Galen Smith Kyre, Marysville  
B.A. (Fairmont State College);  
A.M. (West Virginia University)

**Master of Accounting**

One candidate

Richard Vaughn Ross, Columbus  
A.B. (Milligan College)  
*Field of Specialization:* Accounting

**Master of Arts**

Ninety candidates

Charles Michael Andrean,  
Youngstown  
B.A. (Youngstown State University)  
*Field of Specialization:* Business  
Organization

Patricia Jo Anne Beatley,  
Russells Point  
B.S.Ed. (Ohio Northern University)  
*Field of Specialization:* Education

Barbara Luck Bershon, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Eileen Carol Billie, Parma  
B.A.  
*Field of Specialization:* Journalism

Harold Neal Billman, Columbus  
B.S. in Edu.  
*Field of Specialization:* Physical  
Education

Susanne Schwarz Blatt, Columbus  
A.B. (Douglass College)  
*Field of Specialization:* Education

Bernard Allison Block, Mansfield  
B.A.  
*Field of Specialization:* History

Sharonne Ann Bozsoki, Lorain  
B.A. (Bowling Green State  
University)  
*Field of Specialization:* Philosophy

David Lee Bruey, Lisbon  
B.A.  
*Field of Specialization:* Speech

August Elias Brunsman, III,  
Kettering  
B.A. (University of Dayton)  
*Field of Specialization:* Sociology

Jack L. Bullar, Worthington  
B.S. in Ed. (Southern Illinois  
University)  
*Field of Specialization:* Education

Gerald Clayton Burch, Columbus  
B.Ed. (University of Omaha)  
*Field of Specialization:* Journalism

Vernon King Burger, Euclid  
B.S. in Edu.  
*Field of Specialization:* Education

John Delmas Burkhart, Barnesville  
A.B. (College of Saint Charles  
Borromeo)  
*Field of Specialization:* Education

Rita Marie Byrnes, Elkhorn, Wis.  
B.S. (Saint Mary's College, Indiana)  
*Field of Specialization:* Anthropology

Priscilla Scott Cady, Columbus  
B.S. in Edu.  
*Field of Specialization:* History

Carol Coburn Campbell, Middletown  
A.B. (Duke University)  
*Field of Specialization:* Romance  
Languages

Sara Lynn Cheatham, Berkeley, Calif.  
B.A. (American University)  
*Field of Specialization:* Romance  
Languages

Jay Franklin Chidsey, Green Springs  
A.B. (Antioch College);  
B.D. (University of Chicago)  
*Field of Specialization:* Education

Anna Dimitriadoy Christoforidis,  
Columbus  
B.F.A.  
*Field of Specialization:* Art

James Clement Claggett, Grove City  
B.S. in Educ. (Wittenberg  
University)  
*Field of Specialization:* Education

Joyce Janet Contrucci,  
Pittsburgh, Pa.  
B.A. (Newton College of the  
Sacred Heart)  
*Field of Specialization:* Psychology

Cleburne Harry Copper, Mansfield  
B.S. (Ohio University)  
*Field of Specialization:* Education

Shirley Elaine Davis, Jacksonville  
B.S.Ed. (Ohio University)  
*Field of Specialization:* Education

Michele Frances DelBane, Hubbard  
B.S. in Edu.  
*Field of Specialization:* Education

John Frederick Down,  
Newton Square, Pa.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Political  
Science

Eleanor Diane Dresser,  
Baltimore, Md.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Romance  
Languages

Anne Lewis Everton, Columbus  
B.A. (Transylvania College)  
*Field of Specialization:* Education

Julie Grimm Fiscus, North Canton  
B.A. (Mount Union College)  
*Field of Specialization:* Education

Ronald Philip Fisher,  
Queens Village, N. Y.  
B.A. (Queens College)  
*Field of Specialization:* Psychology

David Vincent Gehle, Columbus  
B.A. (University of Dayton)  
*Field of Specialization:* Slavic  
Languages

Mary Martha Gerlach, Versailles  
B.A. (Miami University)  
*Field of Specialization:* Romance  
Languages

Boreta Quinn Gibson, Reynoldsburg  
A.B. in Ed. (Stowe Teachers College)  
*Field of Specialization:* Education

Susan Mindy Goodman,  
Brooklyn, N. Y.  
B.A. (Brooklyn College)  
*Field of Specialization:* History

Philip Marvin Greenberg,  
Fair Lawn, N. J.  
A.B. (Boston University)  
*Field of Specialization:* Psychology

Lynne Ann Gregory, Shreveport, La.  
B.A. (Louisiana State University and  
Agricultural and Mechanical College)  
*Field of Specialization:* Psychology

Miriam Jessie Grove, Columbus  
B.A. (Juniata College)  
*Field of Specialization:* Psychology

Natalie Diane Hahn, Polk, Nebr.  
B.S. in H.E. (University of Nebraska)  
*Field of Specialization:* Journalism

Theresa Kenny Huebner,  
Mechanicsburg  
B.S. Nursing (Saint Louis University)  
*Field of Specialization:* Physical  
Education

Abiodun Ijose, Ibadan, Nigeria  
B.A. (Hons.) (University of Ibadan, Nigeria)  
*Field of Specialization: Public Administration*

Julian Lucius Jackson, London  
B.A., B. Theology (Eastern Nazarene College); B.D. (Nazarene Theological Seminary); B.S.Ed. (Ohio University)  
*Field of Specialization: Education*

Edmund Gale James, Caldwell  
B.A., B.S. in Edu.  
*Field of Specialization: Education*

Renee Jameson, Columbus  
B.A.  
*Field of Specialization: Speech*

Jay Scott Johnson, Columbus  
B.A., M.A.  
*Field of Specialization: Journalism*

Martha Crozier Johnson, Columbus  
B.S.Ed. (Ohio University)  
*Field of Specialization: Education*

Rosamond Barnhart Kear, Mansfield  
A.B. (Findlay College)  
*Field of Specialization: Education*

Josette Lacombe Kilmer, Columbus  
B.Educ. (University of Toledo)  
*Field of Specialization: Romance Languages*

Karen Alice Kluth, West Haven, Conn.  
B.A. (Southern Connecticut State College)  
*Field of Specialization: History*

Judith Ann Knight, Springfield, Vt.  
B.S.Ed. (University of Vermont)  
*Field of Specialization: Education*

Norman Gene Kruedelbach, Columbus  
B.A.  
*Field of Specialization: Psychology*

Andrew Paul Kubricht, Jr., Oak Park, Ill.  
B.A. (Greenville College)  
*Field of Specialization: History*

Mary Short Larimer, Granville  
B.A. (Denison University)  
*Field of Specialization: Romance Languages*

Beverly Bintzer Leibach, Red Bank, N. J.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: Romance Languages*

Francis Woodward Leslie, Spokane, Wash.  
A.B. (Gonzaga University)  
*Field of Specialization: Sociology*

Daniel Herbert Levoff, Columbus  
A.B. (University of Michigan)  
*Field of Specialization: Speech*

Wallis Jeanette Lundeen, Lincoln, Nebr.  
B.S. in H.E. (University of Nebraska)  
*Field of Specialization: Journalism*

Donna Mary Maria, Cleveland  
B.S. in Edu.  
*Field of Specialization: Education*

Penelope Lee Maza, Toledo  
B.A.  
*Field of Specialization: Sociology*

Brendan Patrick Minogue, Brooklyn, N. Y.  
B.A. (Cathedral College of the Immaculate Conception)  
*Field of Specialization: Philosophy*

Sandra Kay Mutters, Marion  
B.S. in Edu.  
*Field of Specialization: Education*

Richard Joseph Neff, Bucyrus  
B.A.  
*Field of Specialization: Romance Languages*

Betty Tite Palfy, Cleveland  
B.S. (Baldwin-Wallace College); M.A. (Case Western Reserve University)  
*Field of Specialization: Education*

Richard Allan Parker, South Vienna  
B.S. (Wittenberg University)  
*Field of Specialization: Music*

Susan K. Rasor, Arlington, Va.  
B.A.  
*Field of Specialization: Education*

Edward Kenneth Renshler, Columbus  
B.M.E. (Capital University)  
*Field of Specialization: Education*

William Donald Riemer, Celina, Tex.  
B.S. (United States Air Force Academy)  
*Field of Specialization: History*

Robert Clyde Rinehart, Jr., Grove City  
B.S. in Bus. Adm.  
*Field of Specialization: Business Organization*

Wanda K. Shriver Ritenour, Jeffersonville  
B.S. (Rio Grande College)  
*Field of Specialization: Education*

Kenneth Glenn Robin, San Bernardino, Calif.  
B.A. (University of California)  
*Field of Specialization: History*

Richard Michael Sabgir, Columbus  
B.A. (Miami University)  
*Field of Specialization: History*

Constance Alvina Schreiner, Sandusky  
B.S. in Edu.  
*Field of Specialization: Education*

Shirley Ann Seiter, New Bloomington  
B.S. in Edu.  
*Field of Specialization: Journalism*

Rita Diann Shaw, Columbus  
B.A.  
*Field of Specialization: English*

Barbara Jeanne Sperry, Willowick  
B.S. in Edu. (Bowling Green State University)  
*Field of Specialization: Physical Education*

Joseph Putnam Sperry, Columbus  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: English*

Warren Daniel Stone, Los Angeles, Calif.  
B.A. (California State College at Los Angeles)  
*Field of Specialization: Psychology*

Marvin John Strom, Marion  
B.A., B.D. (Northern Baptist Theological Seminary)  
*Field of Specialization: Speech*

Diane Gehl Stull, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*

Michael Hartman Swinger, Columbus  
B.F.A.  
*Field of Specialization: Art*

Florence Susker Tager, Columbus  
B.A. (Brooklyn College)  
*Field of Specialization: Education*

Beverly Sally Thomas, Ecorse, Mich.  
B.S. in Edu. (Wayne State University)  
*Field of Specialization: Art*

Georgia Trakas, Cleveland  
B.F.A. (Ohio University)  
*Field of Specialization: Education*

Lynne Nancy Trankle, Buffalo, N. Y.  
B.S.Ed. (State University College of New York at Cortland)  
*Field of Specialization: Physical Education*

Paul Langdon Tucker, Columbus  
B.S. in Edu.  
*Field of Specialization: Psychology*



Frederick Louis Walker, Cincinnati  
B.B.A. (University of Cincinnati)  
*Field of Specialization: Education*

George Frey Walter, Columbus  
B.A.  
*Field of Specialization: Anthropology*

John Robert Ward, Magnolia  
B.A. (College of Wooster)  
*Field of Specialization: Economics*

James Jacob Weaver, Jr., Columbus  
B.A.  
*Field of Specialization: History*

Carol Miehle Werner, Northfork, Idaho  
B.A. (University of the Pacific)  
*Field of Specialization: Psychology*

Constance Marie Zizunas, Cleveland  
B.S. in Edu.  
*Field of Specialization: Education*

#### **Master of Business Administration**

Twenty-four candidates

David Wilson Boeder, Lima  
B.S. in Bus.Adm.  
*Field of Specialization: Business Organization*

James Randolph Bragg, Columbus  
B.S.Bus.Ad. (West Virginia University)  
*Field of Specialization: Business Organization*

William Joseph Burger, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization: Business Organization*

Hugh Shi-Chang Chen, Taipei, Taiwan  
B.A. in Bus.Adm. (National Taiwan University)  
*Field of Specialization: Business Organization*

Bruce Gilbert Clark, Berea  
B.M.E.  
*Field of Specialization: Business Organization*

Dennis Lee Clary, Columbus  
B.A.  
*Field of Specialization: Business Organization*

William Charles Cobb, Dayton  
B.S.A.S.E. (University of Texas)  
*Field of Specialization: Business Organization*

George Bernard Cook, Toledo  
B.S.Mech.E. (Northwestern University)  
*Field of Specialization: Business Organization*

Michael Eugene Coughlin, Topeka, Kan.  
B.S. (Saint Louis University); M.S.  
*Field of Specialization: Business Organization*

Joseph Raymond Fischenich, Sioux Falls, S. Dak.  
B.S. in Bus. (University of Minnesota)  
*Field of Specialization: Business Organization*

Philip James Gardner, Worthington  
B.S. in Edu.  
*Field of Specialization: Business Organization*

Philip Elmer Hankins, London  
B.A.  
*Field of Specialization: Business Organization*

Robert Gregory Harris, University Heights  
B.S. in Bus.Adm.  
*Field of Specialization: Business Organization*

James Martin Hines, Sherman, Tex.  
A.B. (Cornell University)  
*Field of Specialization: Business Organization*

John Sullivan Levicki, Cleveland  
B.A. in Bus.Adm. (University of Notre Dame)  
*Field of Specialization: Business Organization*

Thomas Markworth, Columbus  
B.S. (Rensselaer Polytechnic Institute); J.D.  
*Field of Specialization: Business Organization*

Glenn Frederick Pribus, Pittsford, N. Y.  
B.A. (Union College)  
*Field of Specialization: Business Organization*

Russell Joseph Rauch, Worthington  
B.S. in Bus.Adm.  
*Field of Specialization: Business Organization*

Kevin Thomas Regan, Columbus  
B.A. (University of Notre Dame)  
*Field of Specialization: Business Organization*

Richard Henry Seivert, Jr., Kenton  
B.S.Ed. (University of North Dakota)  
*Field of Specialization: Business Organization*

Stephen Wayne South, Columbus  
B.S. in Bus.Adm.  
*Field of Specialization: Business Organization*

Beirn Staples, Xenia  
B.B.A. (Marshall University)  
*Field of Specialization: Business Organization*

Stephen Carl Walker, Waynesburg, Pa.  
B.A. (Washington and Jefferson College)  
*Field of Specialization: Business Organization*

Theodore Joe Wilson, Lancaster  
B.S. in Edu., B.C.E.  
*Field of Specialization: Business Organization*

#### **Master of Music**

Three candidates

Michael Henry Galloway, Memphis, Tenn.  
B.M. (Southwestern at Memphis)  
*Field of Specialization: Music*

David Leroy Hite, Columbus  
B.A.  
*Field of Specialization: Music*

David Richard Kortier, Columbus  
B.Mus.  
*Field of Specialization: Music*

#### **Master of Science**

One hundred and eighteen candidates

Henry Marks Adelman, Philadelphia, Pa.  
B.S. (Pennsylvania State University)  
*Field of Specialization: Horticulture*

Larry David Alkire, Ann Arbor, Mich.  
B.S. (University of Kansas)  
*Field of Specialization: Pharmacy*

Edward Hosmer Allen, Hendersonville, N. C.  
B.S. (United States Air Force Academy)  
*Field of Specialization: Physics*

Henrique Vianna de Amorim,  
Sao Paulo, Brazil  
Eng.Agr. (Escola Superior de  
Agricultura Luiz de Queiroz)  
*Field of Specialization: Botany*

Manohar Ganeshrao Arur,  
Dihra Dun, India  
B.E. Civil Engr. (University of  
Poona)  
*Field of Specialization: Geodetic  
Science*

William Joseph Banish,  
Detroit, Mich.  
B.S. (University of Detroit)  
*Field of Specialization: Computer and  
Information Science*

Lloyd Thomas Bay, Carroll  
B.S. in Agr.  
*Field of Specialization: Agricultural  
Economics and Rural Sociology*

Elvin Henry Beardslee, Dayton  
B.S.Met.Engr. (Montana School of  
Mines)  
*Field of Specialization: Metallurgical  
Engineering*

Stephen Richard Betso,  
Brooklyn, N. Y.  
B.S. (Saint John's University,  
New York)  
*Field of Specialization: Chemistry*

Gerald Owen Bolme, Colfax, N. Dak.  
B.S. (United States Air Force  
Academy)  
*Field of Specialization: Physics*

Max Lazaro Vieira Bose,  
Sao Paulo, Brazil  
Eng.Agr. (Escola Superior de  
Agricultura Luiz de Queiroz)  
*Field of Specialization: Animal  
Science*

Cynthia Joy Brokvist,  
West Roxbury, Mass.  
B.S. in Ed. (Framingham State  
College)  
*Field of Specialization: Home  
Economics*

Edward Francis Brooks, Kettering  
B.A.A.E.  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

Kenneth Lewis Brooks, Columbus  
B.M.E.  
*Field of Specialization: Mechanical  
Engineering*

Mary Joan Case, Rowayton, Conn.  
B.S. (Saint Lawrence University)  
*Field of Specialization: Computer and  
Information Science*

Margaret Kay Chipley,  
Pittsburgh, Pa.  
B.S. (Muskogean College)  
*Field of Specialization: Physiology*

Benjamin Choy-Moc, Lima, Peru  
B.I.E. (Universidad Nacional de  
Ingenieria)  
*Field of Specialization: Chemical  
Engineering*

Catherine Alice Colgan,  
Brooklyn, N. Y.  
B.A. (Saint Joseph's College for  
Women)  
*Field of Specialization: Nuclear  
Engineering*

Carolyn Ann Cothran, Memphis, Tenn.  
B.S. (Memphis State University)  
*Field of Specialization: Computer and  
Information Science*

Philip D'Angelo, Valley Stream, N. Y.  
B.E.E.  
*Field of Specialization: Electrical  
Engineering*

Karen Swanson Davis, Columbus  
B.S. (Iowa State University)  
*Field of Specialization: Home  
Economics*

Robert Gage Day, Cleveland  
B.A. (Beloit College)  
*Field of Specialization: Computer and  
Information Science*

James Francis Dietz, Botkins  
B.Ch.E.  
*Field of Specialization: Chemical  
Engineering*

Dana Wrensch Donaldson, Lancaster  
B.S.  
*Field of Specialization: Genetics*

Margaret Marie Duber, Delaware  
B.A. (College of Steubenville)  
*Field of Specialization: Genetics*

Kenneth Merle Dunn, Georgetown  
B.A.A.E.  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

J. Martin Dwight, Yuma, Ariz.  
B.A. (University of Washington)  
*Field of Specialization: Welding  
Engineering*

Victor Jonathan Ekong,  
Ibadan, Nigeria  
B.Sc. (University of Ibadan)  
*Field of Specialization: Computer and  
Information Science*

Raul Ernesto Fajardo, Lima, Peru  
Quim. Ing. (National University of  
Engineering)  
*Field of Specialization: Chemical  
Engineering*

Maynard Allen Faris, Midland  
B.S.Ed. (Miami University); D.D.S.  
*Field of Specialization: Dentistry*

John Folio, Rocky River  
D.D.S. (West Virginia University)  
*Field of Specialization: Dentistry*

Jack William Geis, Englewood  
A.E. (University of Cincinnati)  
*Field of Specialization: Physics*

Albert Richard Giambrone, Dayton  
B.S. (University of Dayton)  
*Field of Specialization: Mathematics*

Carlos Gilberto Martins Guttman,  
Rio de Janeiro, Brazil  
Engr.Quim. (University of Brazil)  
*Field of Specialization: Chemical  
Engineering*

Ganesan Hariharan, Madras, India  
B.Sc., M.Sc. (University of Madras)  
*Field of Specialization: Geology*

Lloyd Martin Hedgepeth, Columbus  
B.S. (North Carolina State  
University at Raleigh)  
*Field of Specialization: Mechanical  
Engineering*

Charles Edward Hemeyer,  
Livonia, Mich.  
B.S. (University of Michigan)  
*Field of Specialization: Industrial  
Engineering*

Ronald Royce Henderson,  
St. Clairsville  
B.S. (United States Military  
Academy)  
*Field of Specialization: Nuclear  
Engineering*

Joyce Nazor Herrold, Lancaster  
B.A. (Ohio University); M.D.  
(University of Cincinnati)  
*Field of Specialization: Medicine*

Jay Glenn Horowitz, South Euclid  
B.S. in Phys.  
*Field of Specialization: Physics*

Edward Anthony Hura, Ravenna  
B.S. (Kent State University)  
*Field of Specialization: Physiology*

Gary Franklin Igleburger,  
West Carrollton  
D.D.S.  
*Field of Specialization: Dentistry*

Ralph Paul Jahn, Columbus  
B.E.E.  
*Field of Specialization*: Electrical Engineering

Sudhir Narayan Jategaonkar, Bombay, India  
B.E. (University of Bombay)  
*Field of Specialization*: Electrical Engineering

Clair Agriesti Johnson, Albuquerque, N. Mex.  
B.S. in Home Ec. (Ohio Dominican College)  
*Field of Specialization*: Preventive Medicine

John Richard Josephson, Columbus B.S.  
*Field of Specialization*: Mathematics

Susan Jane Kacian, Strongsville B.A. (Baldwin-Wallace College)  
*Field of Specialization*: Anatomy

Donald Lee Kalmey, Louisville, Ky. B.A. (Bellarmine College); M.A. (Arizona State University)  
*Field of Specialization*: Computer and Information Science

Peter Dirck Keyser, Hinsdale, Ill. B.S.  
*Field of Specialization*: Microbiology

Steven Kirschner, Hicksville, N. Y. B.S. (City College of New York)  
*Field of Specialization*: Chemistry

Mary Ann Klie, St. Louis, Mo. B.A. (Fontbonne College)  
*Field of Specialization*: Preventive Medicine

Frances Anne Klimitas, Mullica Hill, N. J. B.S. (Drexel Institute of Technology)  
*Field of Specialization*: Home Economics

\*Joseph Robert Kozman, Columbus *Field of Specialization*: Aeronautical and Astronautical Engineering

Jerry Thomas Lang, Minster B.A. (Miami University)  
*Field of Specialization*: Entomology

David William Lange, Cincinnati B.S. (University of Cincinnati); D.D.S.  
*Field of Specialization*: Dentistry

Mary Ann Barbara Lee, Clinton B.S. in Nur. (Saint John College of Cleveland)  
*Field of Specialization*: Nursing

Moo Ung Lee, Seoul, Korea B.S. Eng. (Seoul National University)  
*Field of Specialization*: Nuclear Engineering

George Wood Lindenfeldar, Pittsburgh, Pa. B.S. (Juniata College); D.D.S. (University of Pittsburgh)  
*Field of Specialization*: Dentistry

Thomas Leslie Lindsey, Mt. Sterling B.S. in Agr.  
*Field of Specialization*: Animal Science

Gordon Rice Little, Arlington, Va. B.S.  
*Field of Specialization*: Physics

Philip Lee Long, Columbus B.E.E.  
*Field of Specialization*: Computer and Information Science

\*Alan Frederick Martens, Parma  
*Field of Specialization*: Physics

Joseph Craig McClanahan, Arlington B.S. in Agr.  
*Field of Specialization*: Agricultural Education

Mukul Mohanlal Mehta, Bombay, India B. Chem. Eng. (University of Bombay)  
*Field of Specialization*: Chemical Engineering

Marilyn Jeanne Mental, Cleveland B.S. in Nurs.  
*Field of Specialization*: Nursing

Luis Manalang Mirasol, Jr., Quezon City, Philippines B.S. (United States Military Academy)  
*Field of Specialization*: Industrial Engineering

Aurea S. Molina-Rodriguez, Santa Juanita, Puerto Rico B.S. (University of Puerto Rico)  
*Field of Specialization*: Microbiology

Milton Herman Moos, Westerville B.A. (Hofstra College)  
*Field of Specialization*: Geology

Christopher Nanayakkara, Diyatalawa, Ceylon B.Sc. (University of Ceylon)  
*Field of Specialization*: Geodetic Science

John Carl Nash, Westerville B.S. (Ohio University)  
*Field of Specialization*: Mathematics

R. Wayne Niles, Huntington, W. Va. B.S. in Met. (Case Western Reserve University)  
*Field of Specialization*: Welding Engineering

Joao Nunes Nogueira, Guaira, Sao Paulo, Brazil Agr. Eng. (Escola Superior de Agricultura Luiz de Queiroz)  
*Field of Specialization*: Horticulture

Julius Sterly Ogden, Grove City B.S. (Wilmington College)  
*Field of Specialization*: Mineralogy

Arunkumar B. Pancholi, New Delhi, India B.Sc., M.Sc. (Gujarat University)  
*Field of Specialization*: Horticulture

Harold Cheney Parish, Richwood B.M.E.  
*Field of Specialization*: Mechanical Engineering

Alice Bope Parsons, Somerset B.S.  
*Field of Specialization*: Microbiology

Gautam Ambalal Patel, Baroda, India B.E. (Maharaja Sayajirao University of Baroda)  
*Field of Specialization*: Chemical Engineering

Alex Magruder Payne, Columbus B.S. (Florida Agricultural and Mechanical University)  
*Field of Specialization*: Mathematics

Antonietta Rosalina da Cunha Losso Pedrosa, Piracicaba, Sao Paulo, Brazil Eng. Agr. (Escola Superior de Agricultura Luiz de Queiroz)  
*Field of Specialization*: Entomology

Arare dos Santos Pedrosa, Piracicaba, Sao Paulo, Brazil Eng. Agr. (Escola Superior de Agricultura Luiz de Queiroz)  
*Field of Specialization*: Entomology

Michael Perel, Baltimore, Md. B.S.E.E. (Carnegie-Mellon University)  
*Field of Specialization*: Industrial Engineering

William Thomas Polak, Columbus B.S.E.E. (Tri-State College)  
*Field of Specialization*: Electrical Engineering

\*Also Bachelor of Aeronautical and Astronautical Engineering, College of Engineering  
\*Also Bachelor of Science in Physics, College of Engineering

Rolando Jorge Pomareda,  
Santiago, Chile  
*Field of Specialization: Mathematics*

Clifford Warren Price, Columbus  
B.S. Met. Engr. (Colorado School of  
Mines)  
*Field of Specialization: Metallurgical  
Engineering*

Doris Jean Foreman Price, Columbus  
B.S. in Nur. Ed. (Prairie View  
Agricultural and Mechanical College)  
*Field of Specialization: Nursing*

Karen Mae Ptak, Yankton, S. Dak.  
B.S. (South Dakota State University)  
*Field of Specialization: Preventive  
Medicine*

Paul Alexis Rab, Dayton  
B.S.  
*Field of Specialization: Zoology*

Nick Joseph Rackoff, Youngstown  
B.I.E.  
*Field of Specialization: Industrial  
Engineering*

Everette Duncan Rast, Worthington  
B.S. For. (University of Missouri)  
*Field of Specialization: Agricultural  
Economics and Rural Sociology*

Kunj Behari Lal Rastogi, Delhi, India  
B.Sc., M.Sc. (Agra University)  
*Field of Specialization: Computer and  
Information Science*

Richard Gregory Rich, Reynoldsburg  
B.Elec. Eng. (Syracuse University)  
*Field of Specialization: Electrical  
Engineering*

Helen Wilkinson Richter,  
Milledgeville, Ga.  
A.B. (Georgia College at  
Milledgeville)  
*Field of Specialization: Chemistry*

Ronald Richard Riopelle, Columbus  
B.S.M.E. (University of Toledo)  
*Field of Specialization: Civil  
Engineering*

Edith Joan Rittenbach,  
Springfield, Ore.  
B.S. (University of Oregon)  
*Field of Specialization: Pathology*

Edward Orlyn Roberts, Dayton  
As.E. (University of Cincinnati)  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

Victor Martin Rooney, West Carrollton  
B.E.E. (University of Dayton)  
*Field of Specialization: Electrical  
Engineering*

William Clair Rowles, Willoughby  
B.M.E. (Cleveland State University)  
*Field of Specialization: Nuclear  
Engineering*

Mark Stuart Sand, Burlington, N. J.  
B.A. (University of Bridgeport)  
*Field of Specialization: Computer  
and Information Science*

Michael Gabriel Sarisky,  
Mt. Carmel, Pa.  
B.S.E.E. (Bucknell University)  
*Field of Specialization: Computer  
and Information Science*

Jane Ellen Seyler, Dayton  
A.B. (Cornell University)  
*Field of Specialization: Physiology*

Mohamed Yehia Abdalah Shahin,  
Cairo, United Arab Republic  
B.Sc. (Ain Shams University)  
*Field of Specialization: Civil  
Engineering*

Mustafa Siyahi, Eskisehir, Turkey  
B.S. (Robert College, Turkey)  
*Field of Specialization: Electrical  
Engineering*

Jeffrey Joel Smith, Columbus  
B.A.A.E.  
*Field of Specialization: Aeronautical  
and Astronautical Engineering*

\*William Reinhold Sonnenberg,  
Holgate  
*Field of Specialization: Agricultural  
Engineering*

William Decker Squires, Bellevue  
D.D.S.  
*Field of Specialization: Dentistry*

Alvin Wayne Strong, Dayton  
B.E.E.  
*Field of Specialization: Electrical  
Engineering*

David Alan Swiger, Beckley, W. Va.  
B.S. (Colorado State University)  
*Field of Specialization: Mathematics*

Chester Ora Dietrick Thompson, III,  
Zanesville  
B.S.E.E. (Ohio University)  
*Field of Specialization: Electrical  
Engineering*

Thomas Edward Tipton,  
Blacksburg, Va.  
B.S.E.E. (Virginia Polytechnic  
Institute)  
*Field of Specialization: Nuclear  
Engineering*

Daniel Lewis Tumey, Danville, Ky.  
B.A. (Centre College of Kentucky);  
D.M.D. (University of Kentucky  
Medical Center)  
*Field of Specialization: Dentistry*

Teresa Peter Umana,  
Ikotekpene, Nigeria  
B.S. in Agr.  
*Field of Specialization: Horticulture*

Rosa Uy, Manila, Philippines  
B.S. (Adamson University)  
*Field of Specialization: Chemical  
Engineering*

Kulakkatt S. Vijayan, Ernakulam,  
Kerala, India  
B.S., M.S. (University of Kerala)  
*Field of Specialization: Mathematics*

Lester Allen Wagner, Navarre  
B.E.E.  
*Field of Specialization: Electrical  
Engineering*

Jeanette Lucille White, Mt. Victory  
B.S. in Med. Diet.  
*Field of Specialization: Preventive  
Medicine*

James Thomas Willard, Marysville  
B.S. (Capital University)  
*Field of Specialization: Microbiology*

Robert Allen Yano, Parma  
B.M.E.  
*Field of Specialization: Mechanical  
Engineering*

Thomas Frederick Ziegler, Cincinnati  
D.D.S.; B.A. (Miami University)  
*Field of Specialization: Dentistry*

## Master of Social Work

One candidate

Joseph Linville Pickering, Columbus  
B.A. (Youngstown State University)  
*Field of Specialization: Social Work*

\* Also Bachelor of Agricultural Engineering,  
College of Engineering

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Paul G. Craig  
Dean for Undergraduate Programs: Lawrence J. R. Herson

The Colleges of the Arts and Sciences, a federation of five colleges, includes:

### College of The Arts

Dean: Lee Rigsby

### College of Biological Sciences

Dean: Richard Bohning

### College of Humanities

Dean: Charles L. Babcock

### College of Mathematics and Physical Sciences

Dean: Geoffrey Keller

### College of Social and Behavioral Sciences

Dean: Paul G. Craig

### Bachelor of Arts

One hundred and forty-eight candidates

William Russell Anders, Scottsdale, Ariz.  
Bruce Edward Anderson, Cleveland Heights  
Philip Michael Angelo, Akron  
Gilbert Eugene Bailey, Columbus  
Larry Alan Baker, Lancaster  
\*James David Barton, Waynesville  
John Lewis Bell, Worthington  
Edward Adam Bender, Akron  
Robert Eugene Bennett, Ottawa  
Harry Neal Bernard, St. Louis, Mo.  
Julienne B. Berwald, Columbus  
Paul Vincent Beucler, Mineral City  
George McConnell Black, Jr., Columbus  
Edward Emerson Boles, Mansfield  
Francis Christian Boyer, Canton  
Handy David Brandenburg, Columbus  
Jeremy Robinson Buck, Oberlin  
David Lawrence Burke, Shaker Heights  
James Thomas Campbell, Bellefontaine  
Danny Wayne Cheeseman, Columbus  
Donald Edwin Christenson, Columbus  
James George Clymer, Reynoldsburg  
Leon Cohan, Jr., Columbus  
Robert Edward Cull, Columbus  
Susan Schwartz Danziger, Cincinnati  
Deborah Ruth Daugherty, Canton  
Larry Dale Denlinger, Brookville  
Eli Diamond, Cleveland  
Robert Ralph Dietrich, New Bremen  
William Charles Doyle, Wadsworth

\*Nancy Fomenko Dunn, Zanesville  
George Edwin Dykstra, Shawnee Mission, Kan.  
Jane Frances Earley, Eaton  
Carol Ann Edmonds, Columbus  
Thomas Joseph Edwards, South Euclid  
Peter Herbert Eichstaedt, Chagrin Falls  
Daniel David Elasky, Massillon  
David Kinkaid Elliott, Cleveland  
Karen Louise Engdahl, Columbus  
Marla Ann Engel, Youngstown  
Robert Lyman Ennis, Springfield  
Carol Esther Feldman, Mamaroneck, N. Y.  
Richard John Fetter, Columbus  
John Francis Finn, Columbus  
Preston Owen Ford, Toledo  
John Frederick, Jr., Westerville  
Barbara Gamsu Gale, Dayton  
John Nuton Gaskins, III, Somerset  
Elliott Phillip Geller, Shaker Heights  
James Dennis Goltz, Columbus  
Mario Christopher Grant, North Olmsted  
David Harvey Griffiths, Columbus  
Roger Warren Hafford, Fremont  
William Frederick Hafner, Coshocton  
Ann Taylor Hallblom, Bernardsville, N. J.  
Jeffrey Bruce Harris, Warren  
Thomas George Hartman, Columbus  
Nancy Unkenholt Heitland, Williamsburg  
Michael William Hogan, Toledo  
Linda Honeycutt, Lyndhurst  
Paul Eric Hooze, Columbus  
Thomas Leslie Horvath, Columbus  
Janice Marie Houry, Willowick  
James Frederick Hunt, Shelby  
Michael Phillip Japack, Cleveland  
Charles Edwin Jennings, III, Youngstown  
Marjie M. Johnston, Columbus  
Michele Janet Kahan, Old Saybrook, Conn.  
Thomas Joe Keener, Ashland  
Bruce Clifton Kelley, Columbus  
Harry Floyd Kempke, Columbus  
Richard Gary Kisker, Grove City  
Heidi Barbara Knemeyer, Yellow Springs  
Barbara Lynn Kohn, Cleveland  
James Lee Kollenberg, Cincinnati  
Richard Louis Lambert, Middletown  
Sergius Lashutka, Cleveland

Edward Lawrence Lavelle, North Olmsted  
Jerry Lee Law, Hamilton  
Ethel-Marie D'Luzansky LeVasseur, Columbus  
Alan Murray Leven, Glenshaw, Pa.  
Jean Emery Lindley, Worthington  
Mary Ling, Evanston, Ill.  
John Glenn Linville, Schenectady, N. Y.  
James Richard Lockwood, Wapakoneta  
Sheryl Joyce Lowenthal, Lexington, Ky.  
Arleigh Elizabeth Lockett, Dobbs Ferry, N. Y.  
James Merle Macklin, Delaware  
Morgan Rees Marsh, Columbus  
Christopher Reed Masse, Columbus  
Agnes Marie Matusek, St. Clairsville  
Timothy Craig McCann, Dayton  
Albert Edward McCartney, Edison, N. J.  
James Martin McClure, Akron  
Thomas Craig McNinch, Trotwood  
Wayne Edward Mehl, Columbus  
James Arthur Metnes, Cleveland  
David Arthur Moody, Westlake  
Terrence James Morse, Columbus  
Diane Elizabeth Neal, Columbus  
Norman Bruce Nesbitt, Medina  
Alice Armstrong Nice, Newark  
Lawrence A. Pearce, Jr., Matawan, N. J.  
Winnie Jo Pickering, Russells Point  
Martha Bellavek Pierce, Oberlin  
Charlotte Cushman Putt, Euclid  
Deborah Ann Quick, Springfield  
Roger Dean Rhodes, Mt. Vernon  
Gary Thomas Ringle, Columbus  
Susan Elizabeth Rosel, Columbus  
Hilary Anne Rowlands, Toronto, Ont., Canada  
Peter Forsythe Saddington, Solon  
Nancy Sue Salva, Cleveland  
Vincent Anthony Sanzone, Cincinnati  
Ann Louise Schlee, Castalia  
Thomas Clark Schneider, Gahanna  
Arden Lee Scholes, Columbus  
Betty Brower Schopmeyer, Edgewater, Md.  
Maxine Elyse Schwartz, Casselberry, Fla.  
Michael Allen Shiffrin, South Euclid  
Barbara Lou Shigley, Marion  
Nancy Sue Shoup, Germantown  
\* Also Bachelor of Science in Education, College of Education

Harvey Lawrence Shubert,  
Cleveland Heights  
Stephen Lewis Slagle, Worthington  
Christie Cameron Smith, Worthington  
Frank Michael Smith, Akron  
Gary Carl Smith, Urbana  
Jeffery Wayne Stafford, Mansfield  
June Stansbury, Reno, Nev.  
Francis Thomas Stofa, Columbus  
Emily Ann Stonkey, Hillsdale, N. J.  
Robert Leighton Strong, II,  
Strongsville  
Richard Alan Thompson, Columbus  
Jane Gilbert Tremba, Wadsworth  
Stephen Lee Trumbo, Columbus  
Virginia Lee Unwin, North Olmsted  
Judith Elizabeth vonMaur, Columbus  
Roger Vaughn von Oech, Columbus  
Linda Sue Wadley, Columbus  
David Wald, New York, N. Y.  
Sharon Rae Watkins, Columbus  
Bruce Dawson Weinlander,  
Springfield  
Charles Eugene West, Coshocton  
Robert Stephen Southam White,  
Columbus  
Barbara Ann Williams, Potomac, Md.  
Terry H. Wilson, New London  
William Henry Wright, Columbus  
Judith Anne Young, Youngstown

#### Bachelor of Science

One hundred and three candidates

Sara Ellen Anderson, Reynoldsburg  
Frank Maxwell Andrews, Kettering  
Robert Raymond Arter, Millersport  
James Donald Ashton, Fairborn  
James Eugene Aufderhaar, St. Marys  
Kenneth Joseph Babon, Parma  
Jay Emerson Bailey, Delaware  
Robert James Beck, McComb  
Dennis Lee Brindley, Lindsey  
John Quincy Brown, Jr., Columbus  
Dennis Lee Bucher, Mansfield  
David William Busch, Marion  
Everett Lee Chapman, Columbus  
Robert Louis Chupick, Ashtabula  
Ronald Leslie Clowson, Columbus  
William Edward Clutter, Mason  
Phillip Frederick Cox, II, Toledo  
John Mario Cuffari, Cleveland  
John Michael Davis, Columbus  
Richard Alan Dolin, Columbus  
Bruce Wayman Domineck, Middletown  
Stephen Dudley Etter, Rockville, Md.

Richard Charles Fischer, Tallmadge  
Dennis Eugene Freer, Dayton  
Gary Ronald French, Addison  
Gary Lee Frisbee, Mansfield  
Jimmie David Fuhrer, Tiffin  
William Allen Gardner, Columbus  
John Michael Gnau, Springfield  
Gregory Alan Green, Dayton  
Allen Dale Griffiths,  
Washington C. H.  
Michael Kevin Haninger, Gahanna  
Glenn Wayne Hartzell, Columbus  
Susan Veronica Hasse, Heath  
Mary Shearer Hatheway, Columbus  
Ronnee Zoe Hawkins,  
St. Petersburg, Fla.  
Robert William Hayes, Waynesville  
Robert Floyd Heineman, Toledo  
Gary Dean Held, Lima  
Sue Ruth Hofer, Homeworth  
Kenneth Stephen Homan, Columbus  
John Clark Hosier, Lakewood  
Willi Ann Hsueh, Columbus  
Barbara Kay Huntley,  
Wellsburg, W. Va.  
James Leland Hurst, Troy  
Patricia Anne Hyatt, Warren, Pa.  
Charles William Imboden,  
Wesleyville, Pa.  
Timothy Vaughn Johns, Columbus  
Terry Alan Johnson, Columbus  
Alton Franklin Jones, Brooklyn, N. Y.  
Donald Jacob Jost, Cleveland  
Marilyn Jean Keiser, Lorain  
Ricke Wayne Kepner, Lima  
Pauline Williamson Kossow, Deshler  
Richard Andrew Kovach, Mentor  
Jane Karen Kratzer, Pittsburgh, Pa.  
Frederick Daniel Krull, Columbus  
Dale Marion Lewis, Emporium, Pa.  
Jerry Boyd Lisiecki, Orwell  
Robert Earl Mandrell, Canton  
Gary Robert Marshall, Loveland  
Bruce Frederick Mason, Columbus  
David John Massa, Mansfield  
John Michael McKinley, Bucyrus  
Edward Howard Meclovsky, Cleveland  
Robert Henry Miller, Jr., Huron  
Donna McClure Neptune, Columbus  
Ralph Frank O'Brien, Jr., Columbus  
John William Oldfather, Columbus  
Harry Bartholomew Pearce,  
Brecksville  
Margaret Singer Peery,  
Prescott, Ariz.  
Gary Louis Peltier, Sidney  
Arnold Plonski, Cleveland  
Richard Henry Polsky,  
Cherry Hill, N. J.

Richard William Precek, Shadyside  
Thomas Burton Ray, Cleveland  
Kenneth Benjamin Reber, Columbus  
Jimmy Ranau Rickard, Bellbrook  
Paul Myron Rosenthal, Hicksville  
Eric Christian Schlanser, Cincinnati  
Ronald Robert Seward, Circleville  
Joanne Catherine Shimko,  
Rocky River  
Amy Lynne Shrader, Waverly  
Stanley Bruce Silverman, Cleveland  
Lila May Smith, Alexandria, Va.  
William James Smith, Findlay  
Sharyn Smith Stevers, Columbus  
Larry Rodger Stratton, Salem  
William Lee Stuckey, Dayton  
Sue Ann Summerville, Akron  
Scott Harlie Swarner, Willard  
Jeffrey Michael Sylvester, Columbus  
Richard Wayne Tabor,  
Crossville, Tenn.  
John Frederick Thomas, Waverly  
Stephen Richard Tokar, Cleveland  
James Elton Tweddle, Georgetown  
Maris Vistins, Cleveland  
Conrad Wilhelm Vogelsang,  
St. Clairsville  
Richard Frank Walker, Jr., Dayton  
Virginia Ruth Walter, Columbus  
Verna Teresa Weinstock, Vincent  
William George Wright, Columbus  
Richard Reamer Yeoman, Caledonia

## College of The Arts

Dean: Lee Rigsby

### Bachelor of Fine Arts

Twenty-two candidates

Edward Harold Aufderheide,  
Columbus  
Mary Elizabeth Bowerman, Columbus  
Betty Hebden Collings, Columbus  
Michael Edward Cracraft,  
Reynoldsburg  
Lynn Baker Crump, Painesville  
David Bruce Davies, Canton  
Mary Ann Peterson Dewald,  
Columbus  
Ann Rush Edelberg, Nashville, Tenn.  
Maria-Francesca Patricia Fleming,  
Findlay  
Chester Elroy Gallant, Columbus  
James Michael Huffer, Lima  
Richard Norton Kieselbach, Kent  
Ralph Neal Kirchner, Euclid  
Phyllis Beryl Malmaud,  
Philadelphia, Pa.  
Maureen Patricia McKeever,  
Ellington, Conn.  
James Clark Nichols, Mentor  
Phyllis Elizabeth Norman, Columbus  
Lauren Patricia Salomon,  
Miami Beach, Fla.  
Nancy Jean Seitz, North Olmsted  
Sharon Ingalls Shonk, Dayton  
Sharon Carter Siegfried, Columbus  
Paul Dennis Szabados, Columbus

### Bachelor of Music

Two candidates

Joyce Kathleen Gordon, Columbus  
Undine Jean Howell, Columbus

## College of Social and Behavioral Sciences

Dean: Paul C. Craig

### Bachelor of Arts in Journalism

Nine candidates

Kay Ellen Burtscher, Beach City  
Michael Lee Drake, Portsmouth  
Paul Wilkinson Eastman, Jr.,  
Cincinnati  
Roberta Teresa Gerstein,  
North Miami, Fla.  
Marvin Elliot Handler, Chicago, Ill.  
Brian James Patterson, Cleveland  
Michael Paul Spaite, Cincinnati  
Edgar Jean Thornton, Chicago, Ill.  
Joseph Lawrence Wagner, Columbus

## College of Administrative Science

Dean: James R. McCoy

### Bachelor of Science in Business Administration

One hundred and nineteen candidates

Thomas Frederick Abbott, Westerville  
David Randolph Albrecht, Columbus  
Charles Lee Allensworth, Amsterdam  
William James Anderson,  
Buffalo, N. Y.  
Barry Edward Backner,  
Binghamton, N. Y.  
Gerald Howard Ballan, Columbus  
John Cresap Beam, Columbus  
Leonard LeRoy Benson, Marion  
William Wray Bevens, Waverly  
Stephen Gates Biegel, Englewood  
John Keith Bitler, Canal Winchester  
Dennis Morgan Brown, Fairborn  
Ralph Richard Brown, Columbus  
Terrence LeRoy Butler, Centerville  
John Edward Byrum, Columbus  
Henry Albert Conti, Endicott, N. Y.  
Peter Trowbridge Cooper,  
Chattanooga, Tenn.  
Robert Charles Crawford,  
Stellarton, N.S., Canada  
Joseph Melvin Davis,  
University Heights  
Edward Joseph Dean, Parma  
John Keith Desterhaft, Mansfield  
James K Dietz, Huntsburg  
James Barry Drass, Detroit, Mich.  
Michael Joseph Duber, Cleveland  
John Michael Emerick, Columbus  
David Wayne Ennis, Columbus  
Lee Howard Firlik, Cleveland  
Timothy Robert Flynn, Mentor  
Michael John Frank, Lorain  
Donald Richard Fretz, Akron  
Robert Lynn Gerhardt, Mt. Gilead  
Michael Anthony Giannantonio,  
Lyndhurst  
Milton Gregg Gimlin, Worthington  
Deborah Sara Goldsmith,  
University Heights  
Robert Lee Grooms, Grove City  
Ronald Craig Grundstein, Columbus  
Paul Bernard Hambor,  
Fairport Harbor  
Thomas Edwin Harmon, Zanesville  
Donald Lee Hawk, Ashland  
Patricia Murphy Henley, Columbus  
Robert Linn Hiatt, Columbus  
Willard Gerald Hill, II, Marysville  
John Charles Holcomb, Columbus  
William Dennison Holschuh,  
Lancaster  
Douglas Eivind Hoover, Worthington

Charles William Hostenske,  
Reynoldsburg  
Dennis Xavier Huelsman,  
Worthington  
James Michael Jewett, Columbus  
Michael Stephen Kahler, Orient  
William Patterson Kamen, Mansfield  
Gerald Karlak, Parkman  
Thomas Miller Kelsey, Columbus  
Herbert William Kierspel, Columbus  
Burton Charles Krieger, Dayton  
John Anthony Latch, Euclid  
John Charles Laurila, Conneaut  
Ronald David Lehmann, Lima  
James William Leinberger, Cincinnati  
John Russell MacDowell, Jr.,  
Columbus  
Donald Lee Maglott, Mansfield  
Judith Lynne Manley, Columbus  
John Edward Mansuy, Lycoming, Pa.  
John Francis Martin, Columbus  
Susan Ann Maurer, Cridersville  
Kenneth Peter Maykowski,  
Garfield Heights  
Stephen Alan McClelland, Wooster  
Lee Alfred McDermott, Norwell, Mass.  
Gregory Brian McGath, Grove City  
Patrick James McMahon, Mansfield  
Richard Clay Moore, Creve Coeur, Mo.  
Bruce Alyn Munger, Sylvania  
John Charles Mustaine, Columbus  
Gary Alan Nathans, Columbus  
Jefferie Harmon Neibler, Columbus  
Michael Harold Norris, Orient  
Lawrence Byron Olsen, Columbus  
Wayne Edward Page, New Vienna  
Gary Lee Parrett, Grove City  
Ronald Douglas Pennington,  
Scottsburg, Ind.  
Scott Jacob Porter, East Liverpool  
Philip Hanger Powers,  
Northbrook, Ill.  
Kenneth Joseph Praser,  
Naperville, Ill.  
Gary Lynn Puckett, Columbus  
Craig Richard Riber, Wadsworth  
Rodney Ralph Richards, Columbus  
Michael James Riesterer, Sandusky  
Nicholas George Roman, Canton  
Barry Lee Rosenblatt, Cleveland  
Nathan Roth, Cleveland  
Donald Wesley Russell, Jr.,  
Worthington  
Richard Edwin Salvage, Coshocton  
James Daniel Salvatore, Columbus  
Dennis Ray Samic, Wadsworth  
Aaron Jones Schopfer, Columbus, B.S.  
Philip Joseph Sciortino, Canton  
Edward Daniel Seggerson, Lima

Steven Lynn Sellers, Grove City  
Anne Overacker Simison, Marysville  
John Michael Snyder, Newark  
John Jacob Sobolewski, Steubenville  
Jerald Lynn Starkey, Minerva  
Robert Edwin Stimpert, Ashland  
Philip Kent Stockstill, Dayton  
Edwin Chester Sullivan, Dayton  
Craig Ranald Summers, South Euclid  
Fergus Andre Theibert, Jr., Columbus  
Richard Thomas Thornton, Newark  
Richard Alan Totterdale, Bridgeport  
Harry VonBusch, Jr., Kearny, N. J.  
Samuel Robert Watson, Salem  
Thomas Dewey Weeda, Columbus  
Bette Carol Weiss, Canton  
Rodger Lee Whaley, Washington C. H.  
Christopher Gunnar Widing,  
Pittsburgh, Pa.  
John David Wilson, Heath  
Dennis Dale Workman, Columbus  
Jeffrey Allen Zelvy, Shaker Heights  
Paul John Ziats, Brook Park  
Bolko Guenther Zimmer, Worthington

## School of Social Work

### Bachelor of Science in Social Welfare

Twenty-four candidates

Jean Ann Barnett, Worthington  
Steven Stuart Bovia, Sandusky  
Cheri Diane Brooks, Columbus  
Marilou Chacey, Worthington  
Myrna Jacqueline Costigan,  
St. Paul, Minn.  
Paul Benson Eberts, Columbus  
Katherine Ann Groeber, Springfield  
Janet Claire Harrison, Alliance  
Mary Elizabeth Holden, Columbus  
Gwen Laura Katz, Cincinnati  
Roger Eugene Kenton, Naples, Fla.  
James Charles Kuhel, Euclid  
Diana Lee Lake, Galion  
Marsha Jean Margolies, Canton  
John Albert Mutchler, Genoa  
Catherine Sue Pearce, Columbus  
Karl H. Peters, Union  
Susan Eileen Podlish, Toledo  
Neal Phillip Reed, Columbus  
Brian Richard Somers,  
Cleveland Heights  
Fully Raymond Spain, Warren  
James Philip Stahl, Fremont  
Ronald Ray Strine, Mansfield  
Joan Carol Zurcher, Columbus



## College of Agriculture and Home Economics

Dean: Roy M. Kottman

### Bachelor of Science in Agriculture

Fifty candidates

Wayne Carl Baker, Greenville  
Daniel Keith Barcroft, Mansfield  
James Schulz Baskey, Kirtland  
Robert Leo Brinkman, Cloverdale  
Marvin LeRoy Cheadle,  
Canal Winchester

Keith Eugene Colwell, Defiance  
Lloyd Edmund Crabbe, Carrollton  
Robert Frank Dawson, Plymouth  
Thomas Alan Dawson,  
Mingo Junction

Jack Edwin Denney, Columbus  
Jac Thomas Dill, Lockbourne  
Robert Michael Elliott, Columbus  
Ronald Joe Ford, Lancaster  
Thomas Dean Freed, Findlay  
Robert Anthony Fritz, Maumee,  
D.V.M.

Ronald Lee Fuller, Freeport  
Donald Eugene Gehret, Bucyrus  
William Edward Greenawald, Wooster  
Errol Dean Hackett, Apple Creek  
David John Heinson, Bayside, N. Y.  
Robert William Hermiller, Jr.,  
Leipsic

Alan Howard Hirt, Strongsville  
Daniel Lee Hothem, Coshocton  
Michael Edward Huntzinger,  
Perryburg

Michael Terry Jones, Worthington  
Priscilla Ann Knaus, Worthington  
Thomas William Laut, Middletown  
Patricia Lynne Magee, Carroll  
George Arthur Martin, Bloomingdale  
Gary Lee Michael, Minersville  
Rojer Wilson Moody, Groveport  
Gary Richard Moore, Mt. Vernon  
Shakespeare Mshonga,

Glendale, Rhodesia  
Stanley Paul Myers,  
New Philadelphia  
Gene Edward Nagel, Defiance  
Evelyn Marie Neumann,  
Buffalo, N. Y.

Stephen Roger Nixon, Lebanon  
Daniel Lee Ochs, Lancaster  
John Thomas Pope, Patriot  
Jeffrey Ray Reinhard,  
Canal Winchester

Jerry Lee Ricciardo, Newark  
William Alexander Roberts,  
Garrettsville  
Thomas James Rodak, LaGrange  
John Charles Rosenberger,  
Mt. Blanchard  
Herbert Thomas Schroeder, Andover

Charles Alan Sharpe, Waterville  
William Brenner Simon, Centerville  
Daniel Robert Stollard, Willoughby  
Greg Bernard Stroh, St. Marys  
Terry Carl Strohenger,  
Fairview Park

### Bachelor of Science in Food Technology

One candidate

Keith Vincent Rohrbach, Plain City

## College of Dentistry

Dean: John R. Wilson

### Doctor of Dental Surgery

One candidate

Thomas Marshall Hill, Cambridge

## School of Home Economics

### Bachelor of Science in Home Economics

Twenty-eight candidates

Sarah Ellen Barbee, Columbus  
Anita Raye Bird, Columbus  
Marilyn Boyd Buchwalter, Columbus  
Anne Richards Clark, Columbus  
Cynthia Hartley Cochran, Columbus  
Christine Ann D'Avello, Akron  
Kathleen Mary Donoghue, Cincinnati  
Mary Elizabeth Ellifritz, Columbus  
Sharon Love Friscoe, Columbus  
Joyce Elaine Graber, Marshallville  
Mary Sue Hamilton, Batavia  
Marilyn Dredge Hellinger, Springfield  
Michael Prather Herrin, Columbus  
Mary JoAnn Horn, Columbus  
Ottolee Ruth Knollinger, Jacobsburg  
Emily Berndt Lavigna, Portsmouth  
Carol Marie Lehman, West Liberty  
Karen Diane Long, Columbus  
Connie Gayle Martin, Wintersville  
Karen Phillips Moffitt, Mt. Victory  
Jacquelyn Marie Neumeyer, Medina  
Dorothy Tanner Ort, Canfield  
Judith Williams Roush, Wilmington  
Judy Allyn Rubin, Columbus  
Linda Jean Sharpless, Shelby  
Donna Johnson Watts, Columbus  
Janice Faulkner Williams, Columbus  
Helen Joan Wingfield, Milford Center

## College of Education

Dean: Luvern L. Cunningham

### Bachelor of Science in Education

Two hundred and twenty-nine candidates

Patricia Sue Adelsberger, Marysville  
 Mary Christina Aukeman,  
     South Vienna  
 Clyde Lewis Baker, Frederick, Md.  
 Michael Edward Baker, Columbus  
 Mary Eve Barrett, Columbus  
 \*James David Barton, Waynesville  
 James Emmitt Bauer, Columbus  
 Mary Phelps Baxter, Columbus  
 Roberta Fay Becker, Columbus  
 Linda Rollins Bednar, Springfield  
 Sandra Eileen Benson, Strongsville  
 Michael Edward Berquist, Massillon  
 Carole Paris Bickel, Massillon  
 Patricia Scroggins Biegel, Cincinnati  
 Eddie Arnold Boggs, Mansfield  
 Jennifer Cannizzaro Bolen, Newark  
 Marilyn Seidel Bonner, Columbus  
 Elliot Alan Boxerbaum, South Euclid  
 Sherry Lee Broad, Pittsburgh, Pa.  
 Amelia McDonald Brookes,  
     East Liverpool  
 Robert John Burge, Marengo  
 Dennis Marion Burkey, Columbus  
 Diana Lynn Burns, Mansfield  
 Christine Elizabeth Cameron, Marion  
 Daniel Alan Campbell, Mansfield  
 Maxine Andrea Canter, Passaic, N. J.  
 Ross Smith Carlson, Jr., Columbus  
 Laura Jeanne Chamalian, Mansfield  
 Mary Laughlin Chapman, Columbus  
 Phyllis Scheer Charme, Columbus  
 Carol Kazee Christman, Columbus,  
     B.F.A.  
 Jane Kay Clemans, London  
 Lois Wedberg Clodfelter, Worthington  
 Ellen Harrison Cobb,  
     Miami Beach, Fla.  
 Melanie Hlene Cohen, Bangor, Me.  
 Janet Elaine Conrad,  
     Broadview Heights  
 Mary Jo Crawford, Columbus  
 William Lee Curlis, Columbus  
 Ora Lee Dade, Columbus  
 Martha Helen Danylewycz, Parma  
 Paul Joseph Dattilo, Columbus  
 Linda Hamilton Davidson, Columbus  
 Gary George Diller, Columbus  
 \*Nancy Fomenko Dunn, Zanesville  
 Linda Sue Dysart, Akron  
 Lois Elaine Echols, Columbus  
 John Bartnik Edwards, Cleveland  
 Jerry Alan Eichenberger, Columbus

Ursula Bezen Eisenstein,  
     North Olmsted  
 Karen Jane Emmons, Columbus  
 Patricia Marie Favata,  
     Schenectady, N. Y.  
 Alana Callender Ferguson, Edgerton  
 Evelyn Bernice Finch, Grove City  
 James Alan Fireovid, Bryan  
 Mary Carwell Fletcher, Avon Lake  
 Brienne Chapman Foerschner,  
     North East, Pa.  
 Linda Kay Forsythe, Waynesville  
 Sue Anne Foster, Conesville  
 William Gray Foster, Kettering  
 Max Alan Fout, Columbus  
 Mary Jane Puglisi Fowler, Columbus  
 Michael Lee Freytag, Massillon  
 Marlene Friedrick, University Heights  
 Karen Ann George, Parma  
 Kenneth Jay Gerhardt, Mt. Gilead  
 Gilbert Manning Gibb, Morral  
 Judith Myra Glick, Elizabeth, N. J.  
 Beverly Susan Goodsitt,  
     Shaker Heights  
 Howard Leslie Gratz, Loudonville  
 Marjorie Virginia Green, McDonald  
 Jean Elaine Gress, Trotwood  
 William Edward Harlor, Columbus  
 Meredith Brooks Harper, Fairborn  
 Nancy Ellen Harris, Shaker Heights  
 Claire Ellen Harvey, Grafton  
 Joseph Burl Harvey, Mansfield  
 Ruth Ann Heins, Cincinnati  
 Deborah Jane Herbert, Good Hope  
 Marsha Jo Herschman,  
     University Heights  
 Peggy Louise Holt, Columbus  
 Mary Jane Horstman, Cloverdale  
 Leslie Irene Howe, Columbus  
 Marsha Ann Huffman, Columbus  
 Laura West Hunter, Columbus  
 Deana Heine Jacoby, Columbus  
 Melinda Rish Jeffers, Kenton  
 Joanne Elizabeth Jocha, Mansfield  
 John Ralston Johanssen, Toledo  
 George Richard Johnson, Jr.,  
     Columbus  
 Gloria Jean Johnson, Cleveland  
 Joyce Wolfe Johnson, Columbus  
 Bruce William Jones, Marengo  
 Cheryl Bainter Jones, Columbus  
 Peter Clinton Jones, Columbus  
 Marlea Jo Guthrie Jordan, Columbus  
 Mary Kathryn Jury, Columbus  
 Sharon Ann Kellum, Cincinnati  
 Larry Samuel Kincaid, Columbus  
 John Francis Kirby, Cleveland  
 Carol Anne Kirwan, Canfield  
 Pamela Stile Klynn, Akron

Sandra Lee Krennek, Columbus  
 Cynthia Schwartz Krepcho, Clifton  
 Katharine C. Kruse, Columbus  
 Dianne Basile Lamb, Parma  
 Karen Bosold Landis, Columbus  
 Susan Lane, Galena  
 Richard Norman Lansing,  
     Little York, N. Y.  
 Eric Allen Lehman, Celina  
 Carol Sue Leonelli, Youngstown  
 Joyce Marie Lepisto, Fairport Harbor  
 Betty Ann Lisle, Norwalk  
 David Leroy Litterst, Willoughby  
 Cynthia Pfeifer Mackay, Worthington  
 Susan Davis Maczka, Cleveland  
 Stephanie Marie Malin, Columbus  
 Mary Louise Mannion, Tipp City  
 Frank Norman Marlor, Columbus  
 Phyllis Jean McCort, Akron  
 Richard M. McGhee, Jr., Leroy  
 Naomi Kathleen McQuilkin, Columbus  
 Suellen Stange McQuinniff, Columbus  
 Beatrice Judith Meers, Columbus  
 Edith Caroline Miller, Lima  
 Jacqueline Sue Miller, Cuyahoga Falls  
 Shirley Dianne Miller, Columbus  
 Jerry Wayne Mooney, Mansfield  
 Grace Blain Mussard, Delaware  
 Pamela Ann Nichols, Columbus  
 Carol Marley Noser, Ashland  
 Nikki Scott Nwosu, Dayton  
 Karen Rae O'Malley, Brooklyn  
 Gregory Michael Ondrake,  
     South Euclid  
 Mary Alice O'Neil, Columbus  
 Rosemary Westcott Pearson,  
     North Kingsville  
 Delaura Kae Peaslee, Crestline  
 Donna Jean Pfersick,  
     Washington C. H.  
 Julianne Phillips, London  
 Marilyn Ann Piepho, Cincinnati  
 Mary Ellen Dorff Powers, Columbus  
 Polly Jane Price, Kettering  
 Larry Charles Prueter, Lima  
 David Edwin Randall, Mansfield  
 Arden Manley Reid, II, Columbus  
 Ellen Barbara Reider, South Euclid  
 Marcia Elaine Reisman, Youngstown  
 Donald Charles Renner, Newark  
 JoAnn Taylor Renner, Cambridge  
 James Thomas Rice, Zanesville  
 Marjorie Lynn Richmond,  
     South Euclid  
 Bonni Lynn Rickey, Circleville  
 Linda Rhoads Rinehart, Hudson  
 Lynn Gail Rocker, Elizabeth, N. J.

\* Also Bachelor of Arts,  
 Colleges of the Arts and Sciences

## College of Engineering

Dean: Harold A. Bolz

Carolyn Rodak, LaGrange  
Sandra Jean Rogers, Columbus  
James Thomas Roman, North Canton  
Joseph Patrick Rose, Newark  
Gwendolyn Lynell Rospierski, Parma  
Lisa Christine Ross, Lima  
Claudia Sue Sackett, Tallmadge  
Susan Kay Sassano, Chappaqua, N. Y.  
Nancy J. Savada, Harrison, N. Y.  
Mary Elizabeth Sawyer,  
East Cleveland  
Ahron Zvi Schneider,  
Cleveland Heights  
Marsha Gunder Schneider, Circleville  
Douglas Earl Schoephoerster,  
Columbus  
Eileen Dye Scott, Columbus  
Carol Ann Scurlock, Dayton  
June Marie Seaman, Columbus  
James Joseph Sebastian, Warren  
Teresa Elaine Segrist, Swanton  
Linda Shapiro Semple, Columbus  
B.S. (Ohio University)  
Beverly Jane Sharkey,  
North Royalton  
Beth Louise Sharrock, Mansfield  
Richard Hugh Sherrick, Lima  
Carol Jo Sherwood, Avon Lake  
Joseph Edward Shiningar, Defiance  
Marilyn Sue Shisler, Columbus  
Stamatia K. Simakis, Lakewood  
Susan Elaine Skolnik, Shaker Heights  
B.A.  
Chrys Matterson Slaughter, Columbus  
B.A. (University of New  
Hampshire)  
Ignatius John Michael Slegeski,  
Camp Hill, Pa.  
Diane Lynn Sliter, Fairview Park  
Ellen Lucretia Smith, Lima  
Susan James Smith, Tallmadge  
Teresa Lynn Smith, Columbus  
Theresa Ann Smith, Canfield  
Patricia Lynne Snyder, Galion  
Sharon Sue Solomon, Cleveland  
Christine Anne Sopp, Worthington  
Carol Winifred Spotts, Wooster  
Robert Ray Stamper, Mt. Vernon  
Kathleen Elisabeth Stevens, Berea  
Carol Marie Stiles, Columbus  
Jo Ann Cramer Stillings, Richwood  
Sharon Ann Stout, West Liberty  
Roberta Jeanne Strang, Loudonville  
Judith Carol Sweney,  
West Alexandria  
Olga Tataryn, Parma  
Donna Marie Tayler, Galion  
Ann Miller Taylor, Columbus  
Carolyn Joy Tenney, South Euclid

Kathryn Ida Thielen, Cincinnati  
Charles Martin Thomas, Dublin  
Mitchel Irvin Thompson, Mansfield  
Dorothy Alice Thorpe, Wapakoneta  
Elizabeth Uhl Thurston, Mansfield  
Charles Carter Traister, Columbus  
Jean Ann Van Harlingen, Kettering  
Mary Ann Vaughan, Bucyrus  
Nancy Lynne Wachs,  
Cleveland Heights  
David Michael Wagner, Columbus  
Linda Hilvers Wagner, Fort Jennings  
Carrie Ressler Walker, Columbus  
Thomas Edward Warren, Cleveland  
Victoria Sue Warren, Columbus  
Roberta Gianvito Watson, Columbus  
Sandy Ellen Weber, Clifton, N. J.  
Geoffrey Everett Webster,  
New Carlisle  
Redge Arthur Wilde, Bay Village  
Jane Ann Williams, Wilmington  
Roger Craig Wolowie, Columbus  
Jack Wood, Jr., Amarillo, Tex.  
Martha Laine Wood, Cincinnati  
Diane McKean Wootton, Crestline  
Thomas Graham Yaretts, Ashtabula  
Linda Rhoades Zelazny, Euclid  
Nancy Leona Zipf, Columbus  
Michael Charles Zorich, II,  
Reynoldsburg

### Bachelor of Aeronautical and Astronautical Engineering

Four candidates

William Alan Boyd, Mowrystown  
Gordon Mac Campbell, Columbus  
Donald Andrew Hayes, Columbus  
\*Joseph Robert Kozman, Columbus

### Bachelor of Science in Aeronautical and Astronautical Engineering

Ten candidates

Barry Louise Berke, Long Beach, Calif.  
Stephen Iliff Brummet, Berea  
Scott Murray Byers, Cleveland  
John Allen Gaudio,  
Middleburg Heights  
Walter George Kayser, Jr.,  
Williamsville, N. Y.  
William Frank Kearns, Columbus  
Robert Carey Prior, Columbus  
Franklin Bertrum Reams, Zanesfield  
Donald Louis Russell, Marion  
Daniel Edward Woerner, Geneva

### Bachelor of Agricultural Engineering

One candidate

\*William Reinhold Sonnenberg,  
Holgate

### Bachelor of Science in Agricultural Engineering

Six candidates

Arthur Morris Brate, Hamilton  
Richard Lloyd Fegley, Ohio City  
David Joe Miley, Greenville  
William Ray Peak, Marion  
Stephen Charles Schlotterbeck,  
Lewisburg  
Michael Dean Vanasdale, Shelby

### Bachelor of Science in Ceramic Engineering

One candidate

Carl Frederick Barchfeld, Jr.,  
Fairview Park

\* Also Master of Science, Graduate School

**Bachelor of Chemical Engineering**

One candidate

Doyle Richard Painter, Jr., Circleville

**Bachelor of Civil Engineering**

Six candidates

James Robert Cramer, Oregon  
Farivar Gharabaghi, Tehran, Iran  
Stanley Edwin Johnson,  
Canal Winchester  
Ronald Lewis Laughery, Ashland  
Terry Lee Ricer, Beallsville  
David Richard Sandberg,  
New Lebanon

**Bachelor of Science in Civil Engineering**

Six candidates

Kenneth Russell Davis, Jr., Lancaster  
Raymond Darrell Henderson,  
New Philadelphia  
Robert Charles Karfiol,  
New York, N. Y.  
David John Kozman, Columbus  
Frank Anthony Mamone, Cleveland  
Charles Cameron Wooster, Columbus

**Bachelor of Science in Computer  
and Information Science**

Six candidates

Donald Edward Ferguson, Columbus  
Bruce Warren Firebaugh, Wooster  
Joel Thomas King, Mansfield  
Steven Frederick Kopas, Port William  
Lawrence Havens Smith, II, Oregon  
Timothy Michael Stock, North Canton

**Bachelor of Electrical Engineering**

Six candidates

John Robert Beachman, Nelsonville  
Gerald Michael Gardrvits, Perrysburg  
Gary Dean Nicholson, Mt. Sterling  
Joseph Raymond Pottebaum,  
Middletown  
Larry Charles Vermillion, Marion  
Forest Michael Zahirsky, Ravenna

**Bachelor of Science in  
Electrical Engineering**

Four candidates

Gregory Paul Barnett, Rocky River  
William Scott Gallagher, Cleveland  
Robert Henry Gast, Jr., Columbus  
Jerry Wayne Zimmer, Columbus

**Bachelor of Industrial Engineering**

Three candidates

David Slater Dernberger, Hebron  
Charles Sidel Mitchell, Jr., Canton  
Steven Robeano, Columbus

**Bachelor of Science in  
Industrial Engineering**

Fifteen candidates

Larry Lynn Burkholder, Marion  
Robert Frayne Caldwell, Columbus  
John Allen Clutter, Mt. Vernon  
James Leonard Getz, Worthington  
Robert William Haynes,  
Woodlawn, Tenn.  
William Lewis James, Columbus  
Walter Kaufmann, Cleveland  
Norman Eugene Landes, Napoleon  
Richard Winton Loth, Westlake  
Charles George Melchiori, Lafferty  
Kenneth Edwin Potts, Columbus  
Fredric Lee Reed, Dillonvale  
Marvin Lynn Rhoades, Englewood  
Gary Stewart Roush, Springfield  
Richard John Verhotz, Euclid

**Bachelor of Mechanical Engineering**

Three candidates

James Edward Dennison, LaRue  
Ali Asghar Monibi, Tehran, Iran  
William Ives Ridle, Pitman, N. J.

**Bachelor of Science in  
Mechanical Engineering**

Eighteen candidates

John Russell Bishop, Zanesville  
Errol Francis Borgelt, Crestline  
Robert Michael Colangelo, Mansfield  
Thomas Charles Cooper, St. Marys  
Matthew Kestutis Cyvas, Cleveland

Carl William Dierksheide, Wayne  
Ronald Marshall Gilbert, Mt. Vernon  
Jack Wilbur Knost, New Bremen  
Frank Edward Lux, Canton  
Michael Louis Moeller, Lebanon  
Steven Jay Moore, Shelby  
Raymond Albert Nevi, Youngstown  
Robert Edward Shepard, Haskins  
John Charles Stoops, Waterford  
Glenn Louis Ungerer, Mansfield  
George Bernard Ward, Norwalk  
John Harr Welch, Cleveland  
David Hoyt Young, Springfield

**Bachelor of Metallurgical Engineering**

One candidate

Edwin Pawlicki, Delta

**Bachelor of Science in Physics**

One candidate

\* Alan Frederick Martens, Parma

**Bachelor of Science in Engineering  
Physics**

One candidate

Richard Allan Bettis, Portsmouth

**School of Architecture****Bachelor of Science in Architecture**

One candidate

Bradley John Heinzen, Akron

\* Also Master of Science, Graduate School

**College of Medicine**

Dean: Richard L. Meiling

**School of Allied Medical  
Professions**

**Bachelor of Science in  
Medical Illustration**

One candidate

Georgianna Schrader,  
Eagle River, Wis.

**Bachelor of Science in  
Medical Technology**

One candidate

Anita Iley Dean, Westerville

**Bachelor of Science in  
Occupational Therapy**

Two candidates

Geraldine Schillig McGirr, Alliance  
Teresa Ann Podoske, Logan

**Certificate of Nurse Anesthetist**

Four candidates

Barbara Ann Bennett, Portsmouth  
Thomas George McLean, Springfield  
Charlotte Elaine Ross, Troy  
Judy Lee Whetsell, McMechen, W. Va.

**School of Nursing**

**Bachelor of Science in Nursing**

Twenty-four candidates

Stephanie Jane Banks, Canton  
Christine Ann Bitzinger,  
Liberty Center  
Mary Joanne Bruns, Yorkshire  
Cheryl Fenstermaker Crist,  
Baltimore  
Anne O'Farrell DeVoe, Columbus  
Christine Ann Fuss, North Canton  
Patricia Ruth Hennessy, Pomeroy  
Rebecca Sue Knight, Dayton  
Linda Lee Lemmon, Columbus  
Linda Marie Martin, Columbus  
Carol Koehler Matthews, Bryan  
Diann Virginia Mayle, Cleveland  
Thomas Michael Muse,  
Williamson, W. Va.  
Lula Joan Naylor, Reynoldsburg  
Ann Raduege Pearsall, Columbus  
Carolyn Eve Piercy, Youngstown  
Jerelen DeChatelet Richter, Dayton  
Kathleen Ann Ritzert, Akron  
Margaret Ellen Roche, Newark  
Judith Marie Shega, Maple Heights  
Mary Denbow Spon, Ashland  
Bonnie Wisecup Svetlick, Columbus  
Wilma Jean Vargo, Canton  
Peggy Ann Williams, Ft. Myers, Fla.

## **Graduates with Honors**

### **Summa Cum Laude**

Clyde Lewis Baker, Frederick, Md.  
Stephen Gates Biegel, Englewood  
Mary Jane Puglisi Fowler, Columbus  
Ronnee Zoe Hawkins,  
St. Petersburg, Fla.  
Willa Ann Hsueh, Columbus  
Herbert William Kierspel, Columbus  
Gregory Michael Ondrake,  
South Euclid  
Margaret Singer Peery,  
Prescott, Ariz.  
Bonni Lynn Rickey, Circleville  
Thomas Graham Yarleets, Ashtabula

### **Cum Laude**

Sara Ellen Anderson, Reynoldsburg  
Linda Rollins Bednar, Springfield  
Laura Jeanne Chamalian, Mansfield  
Betty Hebden Collings, Columbus  
Mary Ann Peterson Dewald,  
Columbus  
Karen Louise Engdahl, Columbus  
David Wayne Ennis, Columbus  
Stephen Dudley Etter, Rockville, Md.  
James Dennis Goltz, Columbus  
Mario Christopher Grant,  
North Olmsted  
Michael Kevin Haninger, Gahanna  
Susan Veronica Hasse, Heath  
Thomas Joe Keener, Ashland  
Burton Charles Krieger, Dayton  
Carol Marie Lehman, West Liberty  
Carol Sue Leonelli, Youngstown  
Dale Marion Lewis, Emporium, Pa.  
Timothy Craig McCann, Dayton  
Wayne Edward Mehl, Columbus  
William Ray Peak, Marion  
Carolyn Eve Piercy, Youngstown  
Linda Rhoads Rinehart, Hudson  
Roger Vaughn von Oech, Columbus  
Linda Hilvers Wagner, Fort Jennings  
Richard Frank Walker, Dayton  
Jane Ann Williams, Wilmington  
Jerry Wayne Zimmer, Columbus

### **Cum Laude and with Distinction in Anthropology**

Arleigh Elizabeth Luckett,  
Dobbs Ferry, N. Y.

### **Cum Laude and with Distinction in History**

Terrence James Morse, Columbus

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTY-FIRST MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, April 9, 1970

The Board of Trustees met at its regular monthly meeting on Thursday, April 9, 1970, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, William C. Safford, John H. Dunlap and M. Merle Harrod.

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Minutes of the last meeting were approved.

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April 9, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

- A. Deletion of Rule 41.01 (Application for Admission; Dates) and Revisions of Rules 47.03, 47.05, 47.07, 47.09, 47.11 and 47.15 and the Deletion of Rule 47.13 of Rules for the University Faculty

On March 10, 1970, the Faculty Council approved revisions in the Rules for the University Faculty, including the deletion of Rule 41.01 pertaining to application for admission; dates and the revision of rules relating to warning and dismissal (see complete text of changes in Appendix VI, page 473).

The proposed changes in the existing Rules for the University Faculty as published in November, 1969, are as follows:

- (1) Rule 47.03 - states that Colleges are responsible for academic standards, the establishment of appropriate policies for transfer and professional students and the definition of deficiency points.
- (2) Rule 47.05 - defines the special warning system to be employed when a student's previous academic credentials indicate the probability of low achievement or if he falls below a "C" average (2.0) at this University.
- (3) Rule 47.07 - defines the grade level below which a student shall be placed on academic probation.
- (4) Rule 47.09 - authorizes a College or School to dismiss a student who does not meet the conditions of his probation.
- (5) Rule 47.11 - states that a parent or guardian need not be notified of a student's academic status if the student is over 21 years of age or married.
- (6) Rule 47.13 - renumbers the existing Rule 47.15 to maintain continuity.

President Fawcett recommended that the foregoing changes in the Rules for the University Faculty be approved by the Board of Trustees.

Upon motion of Mr. Safford, seconded by Mr. Dunlap, the Board of Trustees by unanimous voice vote approved the adoption of the foregoing rule changes with the deletion of Rule 47.11 which was referred back to the Faculty Council for reconsideration. The Secretary of the Board was further instructed and given authority to make the foregoing changes in the next printing of the Rules for the University Faculty.



April 9, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Establishment of a New Program Leading to the Degree, Bachelor of Science in Industrial Design

Upon the recommendation of the Council on Academic Affairs, the Faculty Council on March 10, 1970, approved the establishment of a new program leading to the Bachelor of Science in Industrial Design degree, effective July 1, 1970.

The Division of Design of the College of The Arts has proposed this degree program which is to be compatible with the usage of the professional organization, Industrial Designers Society of America. Students in this program will be required to take courses in chemistry, physics, industrial engineering, engineering graphics as well as the basic educational requirements in the social sciences.

President Fawcett recommended that the Board of Trustees approve the above recommendation from the Faculty Council.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous voice vote.

C. Merger of the Departments of Veterinary Medicine, Veterinary Surgery and Radiology and Veterinary Clinics Into a New Department--Department of Veterinary Clinical Services

Upon the recommendation of the Council on Academic Affairs, the Faculty Council on March 10, 1970, approved a merger of three existing departments in the College of Veterinary Medicine--Departments of Veterinary Medicine, Veterinary Surgery and Radiology and Veterinary Clinics--into one new department to be called Department of Veterinary Clinical Sciences, effective July 1, 1970.

This action was based upon a seven-month study conducted by the faculty of the College of Veterinary Medicine of its clinical sciences activities, including teaching, research and service programs and available resources. As a part of this study, organizational practices in other colleges of veterinary medicine were reviewed. In veterinary practice these specialties have a great deal in common and the continuing advances in the clinical sciences are bringing them even closer together. The merger will improve the use of faculty time and college resources in ways not previously possible. An additional reason for merger is that the majority of the present faculty of these three departments are responsible to more than one department chairman.

These studies indicated that the new organizational arrangement being proposed should result in a general strengthening of the research, graduate and postgraduate specialty programs, as well as making them more attractive to prospective scholars and faculty because of the better balance achieved between investigative work and clinical service made possible by this re-organization.

April 9, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Merger of the Departments of Veterinary Medicine, Veterinary Surgery and Radiology and Veterinary Clinics Into a New Department--Department of Veterinary Clinical Services (continued)

President Fawcett recommended that the Board of Trustees approve the above recommendation from the Faculty Council.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the Board of Trustees approved the above recommendation by unanimous voice vote.

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II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the March 18, 1970 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Appointments and Leaves of Absence Without Salary:

A. Appointments

William T. Morris, Professor and Chairman, Department of Industrial Engineering, effective April 1, 1970, at a salary of \$25,956.00 per annum.

John Leslie Livingstone, Arthur Young Professor of Accounting, College of Administrative Science - Accounting, effective October 1, 1970, at a salary of \$25,128.00 per annum.

John Howard Wallace, Professor, College of Biological Sciences - Microbial and Cellular Biology, effective June 1, 1970, at a salary of \$21,168.00 per annum.

B. Leaves of Absence Without Salary

Samuel G. Huber, Professor, Department of Agricultural Engineering, effective April 8, 1970 through June 30, 1970, to serve as consultant on the Ford Foundation grant program at Punjab Agricultural University, Ludhiana, Punjab, India.

Bibb Latane, Associate Professor, Department of Psychology, effective April 1, 1970 through June 30, 1970, to teach and conduct research at the University of Washington, Seattle, Washington.

Upon motion of Mr. Harrod, seconded by Mr. Jones, the Appointments, Leaves of Absence Without Salary and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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April 9, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
February 28, 1970 - March 20, 1970

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	5	\$111,667.00
<u>Grants</u>		
Government Research - Federal	14	328,345.00
Industrial and Other Research	<u>1</u>	<u>12,963.00</u>
Totals	20	\$452,975.00

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. U. S. Atomic Energy Commission, Argonne, Illinois, Theoretical and Experimental Aspects of Selection as Applied to Biological Groups (to be known as U. S. Atomic Energy Commission Project No. 2592-B - Mod. #2 - College of Biological Sciences - Genetics).  
Gross Value - \$25,500.00.
- b. U. S. Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Communication Analysis Support (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2734 - Mod. #3 - Department of Electrical Engineering).  
Gross Value - \$20,000.00.
- c. Naval Regional Procurement Office, Brooklyn, New York, Development of a Method to Produce Pictures with Acoustic Energy (to be known as Naval Regional Procurement Office Project No. 2976 - New - Department of Welding Engineering).  
Gross Value - \$35,800.00.
- d. U. S. Air Force, Headquarters Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Wideband Propagation Support (to be known as Headquarters Aeronautical Systems Division Project No. 3004-A1 - New - Department of Electrical Engineering).  
Gross Value - \$20,822.00.

April 9, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- e. Department of the Navy, Office of Naval Research, Washington, D. C., Seminars in Defense Two-Step Formal Advertising and Multi-Year Procurement Procedures (to be known as Office of Naval Research Project No. 3006-A1 - New - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$9,545.00.

TOTAL - Government Research Contracts - Federal \$111,667.00

2. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Hemopoiesis--A Histochemical and Cytological Study (to be known as National Institutes of Health Project No. 893-K - Ext. #11 - Department of Anatomy).  
Gross Value - \$29,898.00.
- b. National Aeronautics and Space Administration, Washington, D. C., Physiological Effects of Artificial Gaseous Environments (to be known as National Aeronautics and Space Administration Project No. 1492 - Sup. #6 - Department of Physiology).  
Gross Value - \$25,000.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Ion Transport in Heart Mitochondria (to be known as National Institutes of Health Project No. 2012-E - Ext. #5 - Department of Physiological Chemistry).  
Gross Value - \$31,072.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Nucleic Acid and Protein Synthesis in Acanthamoeba (to be known as National Institutes of Health Project No. 2437-C - Ext. #3 - College of Biological Sciences - Microbial and Cellular Biology).  
Gross Value - \$20,433.00.
- e. National Aeronautics and Space Administration, Washington, D. C., Fluid Dynamic Aspects of Cardiovascular Behavior During Vibration (to be known as National Aeronautics and Space Administration Project No. 2732 - Sup. #2 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$6,000.00.

April 9, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Government Research Grants - Federal (continued)

- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Immunosuppression in Renal Heterotransplants (to be known as National Institutes of Health Project No. 2782-A - Ext. #1 - Department of Veterinary Surgery and Radiology).  
Gross Value - \$10,752.00.
- g. Department of the Air Force, Air Force Office of Scientific Research, Arlington, Virginia, Transport Phenomena in Highly Ionized Shock Heated Gases as Related to Reentry Aerodynamics (to be known as Air Force Office of Scientific Research Project No. 2785 - Sup. #1 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$29,965.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, The Biosynthesis of Phosphorylated Polysaccharides (to be known as National Institutes of Health Project No. 2796-A - Ext. #1 - Department of Chemistry).  
Gross Value - \$11,936.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis (to be known as National Institutes of Health Project No. 2797-A - Ext. #1 - Department of Veterinary Pathology).  
Gross Value - \$31,613.00.
- j. U. S. Air Force, Air Force Office of Scientific Research, Arlington, Virginia, Supersonic Combustion and Spontaneous Ignition in Cold Flowing Mixtures for Advanced Air-Breathing and Hybrid Engines (to be known as Air Force Office of Scientific Research Project No. 3000-A1 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$40,000.00.
- k. Department of Health, Education and Welfare, Public Health Service, Health Services and Mental Health Administration, National Institutes of Mental Health, Bethesda, Maryland, Drug Sensitive Biochemical Pathways in the CNS (to be known as National Institutes of Mental Health Project No. 3002-A1 - New - Department of Pharmacology).  
Gross Value - \$45,920.00.

April 9, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Government Research Grants - Federal (continued)

1. National Science Foundation, Washington, D. C., Spin Label Investigation of Enzyme Conformation (to be known as National Science Foundation Project No. 3005-A1 - New - Department of Chemistry).  
Gross Value - \$24,000.00.
- m. Department of Health, Education and Welfare, Public Health Service, Environmental Health Service, Environmental Control Administration, Rockville, Maryland, Household Pests: Insecticide Resistance in Blattella (to be known as Environmental Health Service Project No. 3008-A1 - New - College of Biological Sciences - Entomology).  
Gross Value - \$16,756.00.
- n. National Science Foundation, Washington, D. C., Detection of Travelling Ionospheric Disturbances Resulting from the 1970 Solar Eclipse (to be known as National Science Foundation Project No. 3009-A1 - New - Department of Electrical Engineering).  
Gross Value - \$5,000.00.

TOTAL - Government Research Grants - Federal \$328,345.00

3. Industrial and Other Research Grant

- a. American Thoracic Society, New York, New York, Lipids of Mycobacteriophages: Separation and Identification (to be known as American Thoracic Society Project No. 3010-A1 - New - Department of Medical Microbiology).  
Gross Value - \$12,963.00.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contract	1	\$ 3,900.00
Industrial Research Contracts	<u>2</u>	<u>57,812.00</u>
Totals	3	\$61,712.00

April 9, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from February 27, 1970 through March 19, 1970, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contract

EES 357X	Development of Continuity in Concrete Prestressed Girder Bridges, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$3,900.00.
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2. Industrial Research Contracts

EES 358X	An Exploratory Evaluation on Hot Forming of Metal Using Sonic Power, North American Rockwell Corporation, Reading, Pennsylvania. Gross Value - \$42,375.00.
EES 359X	A Theoretical Investigation of the Time Behavior of Ions in Flowing Natural Gas Mixtures, Columbia Gas Systems Service Corporation, Columbus, Ohio. Gross Value - \$15,437.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since March 18, 1970, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

S U M M A R Y

Administered Through the Office of Business and Finance	\$1,323,273.00
Received Through The Ohio State University Development Fund	186,375.51

A. Administered Through the Office of Business and Finance

1. \$424,171.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for the 1970 National Science Foundation Graduate Traineeship Program. This grant provides support for the appointment of seventy-six Graduate Traineeships for a period of nine or twelve months, beginning in the fall of 1970, and for seventeen Summer Traineeships for Graduate Teaching Assistants during the summer of 1970. This grant will be under the direction of the Graduate School and will terminate on September 30, 1971. (GZ-1688)

April 9, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

2. \$352,796.00 granted by U. S. Department of Agriculture, Consumer and Marketing Service, Administrative Services Division, Procurement and Equipment Branch, Washington, D. C. 20250, to the University for the development of a training course and conducting classroom instruction for non-professional meat processing inspector trainees. This program is under the direction of the Departments of Veterinary Preventive Medicine and Animal Science, for the period March, 1970 through March, 1971. (Contract No. 12-25-400-64)
3. \$142,543.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Comparative Pathology," under the direction of the College of Veterinary Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 GM01052-08)
4. \$117,307.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Surgery - Training Grant," under the direction of the Department of Surgery, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 GM01539-05)
5. \$99,642.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "A Program to Provide Dental Care for the Homebound, Chronically Ill and/or Handicapped in Columbus and Franklin County," under the direction of the College of Dentistry, for the period April 1, 1970 through March 31, 1971. (Grant No. 53009-02-70)
6. \$50,000.00 additional grant by U. S. Department of Transportation, Federal Highway Administration, Contracts and Procurement Division, Washington, D. C. 20591, to the University for support of post master's level candidates in highway safety and motor vehicle safety research. This grant will be under the direction of the Department of Industrial Engineering and will terminate June 30, 1971. (Grant No. FH-11-7357G)
7. \$42,966.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Cardiovascular Physiology," under the direction of the Department of Physiology, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 HE05843-02)
8. \$25,840.00 additional grant by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Experienced Teacher Fellowships - Curriculum in Art Education," under the direction of the College of The Arts - Division of Art. This project extends through September 30, 1970. (Grant No. OEG-0-9-450663-2001-721)



April 9, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

9. \$23,300.00 from State of Ohio, Department of Education, Columbus, Ohio, to the University for support of four two-week 1970 Summer Vocational Guidance Seminars, under the direction of the College of Education.
10. \$19,740.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Cardiovascular Physiology," under the direction of the Department of Veterinary Physiology, for the period July 1, 1970 through June 30, 1971. (Grant No. 2 T01 HE05659-06)
11. \$15,483.00 granted by National Endowment for the Humanities, Washington, D. C., to the University for support of the Latin Institute to Prepare The Columbus Latin Reader for publication and implementation in the schools, under the direction of the Department of Classics, for the period March 1, 1970 through May 31, 1971. (Grant No. EO-119-70-4160)
12. \$6,080.00 additional grant by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Fellowship Program in Reading," under the direction of the College of Education. This project extends through October 31, 1970. (Grant No. OEG-0-9-450667-2279-721)
13. \$3,405.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Library Resource Support," under the direction of the University Library, for the period January 1, 1970 through December 31, 1970. (Grant No. 5 G01 LM00187-04)

TOTAL - Administered Through the Office of Business and Finance -  
\$1,323,273.00

B. Received Through The Ohio State University Development Fund

1. \$59,817.00 from The John A. Hartford Foundation, Inc.

The trustees of The John A. Hartford Foundation, Inc., have approved a grant to the University in the amount and for the purpose as indicated below, subject to formal acceptance by the Board of Trustees:

\$59,817.00 to The Ohio State University Development Fund for use by The Ohio State University College of Medicine for an investigation of the antigenic properties of the placenta and its membranes by transplantation techniques described in the University's grant application of November 18, 1969, amended December 26, 1969.

April 9, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

1. \$59,817.00 from The John A. Hartford Foundation, Inc. (continued)

President Fawcett recommended therefore that the above-identified grant be accepted and administered in accordance with the conditions set forth in the grant agreement between The John A. Hartford Foundation, Inc., and The Ohio State University.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the Board of Trustees by unanimous voice vote approved the acceptance of the above grant from The John A. Hartford Foundation, Inc.

2. \$15,000.00 from the Estate of John G. Love--\$10,000.00 for the Charles Austin Doan Fund and \$5,000.00 for the John G. Love, D.D.S., Loan Fund.
3. \$13,500.00 from the Jeffrey-Galion, Inc., Columbus, Ohio--\$12,500.00 for the Center for Tomorrow Fund and \$1,000.00 for Cancer Leukemia Research.
4. \$10,000.00 from The Ohio Nurseryman's Association, Inc., Columbus, Ohio, for the L. C. Chadwick Research Fund.
5. \$10,000.00 from the Rosalee Rusoff Trust, (In the name of Mrs. Rosalee S. Rusoff), for the Rosalee Rusoff Memorial Creative Writing Fund.
6. \$9,997.75 from Walter M. Rudin, Mt. Vernon, Ohio, for the Pace Setters Fund.
7. \$9,000.00 from the Alfred P. Sloan Foundation, New York, New York, for the Sloan Foundation Scholarship Fund.
8. \$8,000.00 from the Payne Fund, Inc., Cleveland, Ohio, (In the name of Mrs. Frances P. Bolton), for the Payne Fund Communications Project.
9. \$7,000.00 from Dairy Research, Inc., Chicago, Illinois, for Dairy Research, Inc., Research Fund.
10. \$6,600.00 from American Foundation for Pharmaceutical Education, Washington, D. C., for American Foundation for Pharmaceutical Education Scholarships.
11. \$5,400.00 from Ross Laboratories, Columbus, Ohio, for the Ross Laboratories Graduate Research in Dairy Foods Microbiology.
12. \$5,000.00 from Dermatology Foundation, Inc., New York, New York, for the Dermatology Research Fund.

April 9, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

13. \$5,000.00 from The Farm Bureau Cooperative Association, Inc., Columbus, Ohio, (In the name of Landmark), for the Center for Tomorrow Fund.
14. \$3,750.00 from Abbott Laboratories, (In the name of Ross Labs), for the Center for Tomorrow Fund.
15. \$2,681.76 from Mrs. John A. Ramseyer, Sr., and friends for the establishment of the John A. Ramseyer Memorial Fund.

John A. Ramseyer Memorial Fund

The John A. Ramseyer Memorial Fund was established April 9, 1970, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the widow and friends of Dr. John A. Ramseyer, Sr., M.A. '34, Ph.D. '48, former faculty member in the College of Education, late of Columbus, Ohio.

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used in memory of Dr. Ramseyer in a manner determined by the Dean of the College of Education.

Should the College of Education cease to exist, through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for teacher training.

16. \$2,500.00 from Forging Industry Education and Research Foundation (In the names of David E. and Earl M. Tilton, Mrs. Ann T. King and Mrs. Martha T. Reissig)--\$1,250.00 for the Earl M. Tilton Professorship in Mechanical Metallurgy and \$1,250.00 for the FIE&R Foundation Fund.
17. \$2,000.00 from the Arline and Thomas Patton Foundation, (In the name of Thomas F. Patton), for the John W. Bricker Professorship in the College of Law.
18. \$1,920.00 from the Trust under the Will of Anna Roessler for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
19. \$1,209.00 from Arthur E. Shepard as an undesignated gift to the University.

April 9, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

- 20. \$1,000.00 from the A. B. "Dolly" and Ralph Cohen Foundation, (In the name of Mrs. A. B. Cohen), for the Woody Hayes Fund.
- 21. \$1,000.00 from John Dana Cole for the John Dana Cole Fund.
- 22. \$1,000.00 from Mrs. Harry W. Hosford for the Alumni House Building Fund.
- 23. \$1,000.00 from J. F. Jelenko & Company, Inc., (In the name of Jesse F. Jelenko, Jr.), for the Jesse Jelenko, Jr., Dental Student Loan Fund.
- 24. \$1,000.00 from SCOA Foundation, Inc., (In the name of Herman H. Schiff), for the SCOA Industries, Inc., Student Loan Fund.
- 25. \$1,000.00 from Stryker Corporation, Kalamazoo, Michigan, for the Stryker Corporation Bioceramic Research Fund.
- 26. \$1,000.00 from the Trust under the Will of Erdis G. Robinson as an undesignated gift to the University.
- 27. \$1,000.00 from Dr. Benjamin R. Wiltberger for the Orthopaedic Development Fund.

TOTAL - Received Through The Ohio State University Development Fund -  
\$186,375.51

Upon motion of Mr. Harrod, seconded by Mr. Safford, the acceptance of the foregoing grants and gifts and the establishment of the above-named fund were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In February, 1970, the Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	724	\$109,980.05
Individuals other than alumni	142	15,164.18
Business concerns	61	67,284.92
Nonprofit organizations	40	47,017.78
	<u>967</u>	<u>\$239,446.93</u>

Of these gifts, 255 totaling \$4,661.36 were undesignated and 712 totaling \$234,785.57 were designated.

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April 9, 1970 meeting, Board of Trustees

V. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Ohio Union - Revision of Dishwashing System

This project will provide a new dishroom on the first floor of the Ohio Union to replace the present dishroom in the basement area.

Funds for this project have been provided from Budget Account 921100 (Ohio Union).

B. Fire Alarm Systems in Classroom Buildings

This project will provide the installation of fire alarm systems in Hamilton Hall, Civil and Aeronautical Engineering, Hitchcock Hall, Pomerene Hall, Mendenhall Laboratory and the Men's Physical Education Building. The system will include electric operated bells, local station boxes and provisions to transmit the signals to the Police Department.

Funds for this project have been provided in Budget Account 124358 (Contract Repair).

C. Floodlighting of Parking Areas

This project will provide underground wiring, aluminum poles and mercury floodlighting units for the following parking areas: North St. John's Arena and French Field House, Plumb Hall court area and the West Olentangy River Bank from the Pedestrian Bridge to Stadium Drive.

Funds for this project have been provided in Budget Account 124358 (Contract Repair).

D. Animal Science Building - Remodeling of Mechanical System

This project provides a chilled water system including cooling coils, roof-top chiller, new filters and sheet metal changes as required to convert the two main multi-zone supply air systems to year around air conditioning systems.

Funds for this project have been provided in Budget Account 801205 (Animal Science Air Conditioning).

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the above recommendation was approved by unanimous roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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April 9, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

A. Lighting Improvements - 1969

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (3 bids received 3-18-70)		
Pence Electric Company (Columbus)	\$56,321.00	\$110,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

B. Parking Ramp - Medical Area

Pursuant to action of the Board of Trustees on March 18, 1970, in regard to the award of contracts for this project, the small Heating and Ventilating Contract was readvertised since the original bids were over the estimate of cost. The following is the result of the rebid:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating and Ventilating Contract</u> (1 bid received 3-25-70)		
Limbach Company (Columbus)		
Base bid	\$13,400.00	\$ 15,000.00
H-1 Addition of heating elements in elevator pits of north and south elevators	2,400.00	2,400.00
Total Contract	<u>\$15,800.00</u>	<u>\$ 17,400.00</u>

Funds for the portion of the project which is for parking have been provided in Budget Account 801031 (Parking Ramp - Medical Area) and for that portion of the project which is the helicopter landing deck from the University Hospital Rotary.

Upon motion of Mr. Safford, seconded by Mr. Shocknessy, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

C. Stadium - Artificial Turf

Bids received for artificial turf on the Stadium football field and the practice field came in higher than available funds will permit.

April 9, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS (continued)

C. Stadium - Artificial Turf (continued)

Therefore, President Fawcett recommended that the President and/or the Vice President for Business and Finance be directed to reject all bids, and readvertise expeditiously, specifying new alternates, so that the magnitude of the project can be brought within available funds.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above recommendation was approved by unanimous roll call vote.

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VII. CONTROLLING BOARD APPROVAL

Each numbered request shown below accomplishes the following purpose:

- 18 Approves the transfer and release of \$2,058,710.00 from Item 315-067, University College Phase III, H. B. 531, to Item 315-056 University College Building 4, H. B. 531, to provide funds for the project "University College Building 4."

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VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Olentangy Main Trunk Sanitary Sewer - Part III -  
City of Columbus

WHEREAS, the City of Columbus requires additional sanitary sewer facilities to serve the northern section of the City of Columbus; and

WHEREAS, the location of the Olentangy main trunk sanitary sewer, Part III, requires a right-of-way through lands owned by the Board of Trustees of The Ohio State University; and

WHEREAS, this right-of-way through two residential lots in the Tuttle Field area will permit the City of Columbus to construct a portion of the trunk sewer;

THEREFORE, President Fawcett recommended that the President and/or Vice President for Business and Finance be authorized to request the land acquisition division of the City of Columbus to prepare the necessary legal instruments to provide the easement for the trunk sewer and to sign said easements on behalf of the Board of Trustees of The Ohio State University.

VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Sewer Line Easement - City of Columbus

WHEREAS, the construction of the Laboratory Animal Facility requires sanitary sewer facilities; and

WHEREAS, the City of Columbus utility regulations require the signers of the private agreement to grant to the City of Columbus an easement through their lands so that the City of Columbus may extend service within the drainage area; and

WHEREAS, the granting of a 30-foot easement northward across State of Ohio lands, adjacent to and paralleling the Chesapeake and Ohio Railroad property, will enable the City to extend service within the drainage area and enable the University to utilize the sanitary sewer facilities of the City of Columbus;

THEREFORE, President Fawcett recommended that the President and/or Vice President for Business and Finance be authorized to request the Director of Public Works, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instruments to provide for this sanitary sewer service.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the above recommendations were approved by unanimous roll call vote.

C. Purchase of Buildings and Property - South Campus

President Fawcett recommended that the President and/or Vice President for Business and Finance be authorized to proceed with the purchase of the following described real estate located in the City of Columbus, Franklin County, Ohio:

Lots #36 and 37, College Place Addition, Columbus, Franklin County, Ohio, and commonly known as 65 and 67 West 11th Avenue from George F. Gallagher and Jean J. Gallagher.

Lots #38 and 39, College Place Addition, Columbus, Franklin County, Ohio, and commonly known as 53 and 61 West 11th Avenue from John F. Hummel and Stephanie A. Hummel.

A part of Lot #34, College Place Addition, Columbus, Franklin County, Ohio, and commonly known as 1616-1618 Hunter Avenue from Helen M. Harley.

Counsel shall be obtained from M. A. I. appraisers and the aggregate cost shall not exceed the aggregate of current appraisals. Funds are available in Budget Account 801099 (Land).

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above recommendation was approved by unanimous roll call vote.

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IX. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Mervin B. France, former member of the Board of Trustees, and Samuel A. Marable, Professor, Department of Surgery. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. Mervin B. France

The Board of Trustees expresses particular sorrow at the death on February 16, 1970, of its former colleague, Mervin B. France, of Cleveland, Ohio. Mr. France was a Trustee from September 16, 1964, until his resignation April 4, 1969.

From the records it would appear that Mr. France was the twenty-third alumnus or former student of the University to serve it as a Trustee. He entered the University in the fall of 1920, but his education was interrupted. He was originally in the College of Engineering but transferred later to the then College of Commerce and Journalism. He withdrew from the University at the end of the second semester of 1923-24. He entered the business world and soon began to make rapid advancement.

As a Trustee, he was singularly faithful to his trust. He attended his first meeting October 9, 1964, a month after his appointment by Governor James A. Rhodes. By coincidence he attended his last such meeting exactly four years later on October 9, 1968. Of the forty-three Board meetings held during that time, he was present at thirty-eight. Because of illness he attended no further meetings and his resignation followed in the spring of 1969.

His was a typical American success story. He was two years old when his father died and his mother took him and a brother to live with relatives in rural eastern Ohio. As a boy, he attended a red brick country school and helped with farm chores. In time his mother moved to Alliance, Ohio, where she was matron of the girls' dormitory at Mt. Union College and the son helped by cutting lawns, firing furnaces and with part-time jobs at the college.

In January, 1925 he went into the bond business in Canton. In 1927 he became Ohio representative, in Cleveland, of the Union Trust Company, of Pittsburgh. It was here he attracted the attention of the officers of the Society for Savings. In 1934 he became head of its investment and collateral loan department as assistant vice president and assistant secretary. He soon made his mark for in November, 1941 he became first vice president and in January, 1947 was elected president. The Society was then 98 years old and, at 45, he was recognized as one of the youngest top bank executives in America.

April 9, 1970 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

A. Mervin B. France (continued)

Under earlier Ohio laws the operations of mutual savings banks were restricted. But these were amended in 1955 and this permitted the organization of the Society National Bank which with the Society for Savings operated under the same roof. With court approval the two institutions were merged. Under Mr. France's leadership the Society National Bank was recognized as one of the most progressive banks in the United States. It was one of the first to introduce "electronic banking" to its customers. As of the end of 1969, it was the 71st largest of some 13,000 U. S. commercial banks and had total resources of five-sixths of a billion dollars.

Inevitably a man of the stature and versatility of Mr. France was drawn into wide participation in other business and civic affairs. This is attested to by the long list of trusteeships and directorships he held in other areas. His active life since leaving the University well bears out its motto, "Disciplina in Civitatem."

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy in its bereavement.

B. Samuel A. Marable

The Board of Trustees of The Ohio State University expresses its sorrow at the death on February 21, 1970, of Samuel A. Marable, M. D., Professor in the Department of Surgery.

Dr. Marable was born in Clarksville, Tennessee, on February 10, 1928. He graduated from Vanderbilt University where he earned two degrees--the B. A. degree cum laude in 1949, and the M. D. degree in 1952 during which time he was elected to Phi Beta Kappa and Alpha Omega Alpha in addition to being awarded the Founders Medal--the highest scholastic award at Vanderbilt.

In 1953 Dr. Marable completed a straight surgical internship at The Johns Hopkins Hospital. From 1953 to 1955 he served as a medical officer in the U. S. Navy. After completion of active duty he entered a five-year residency in general and thoracic surgery at the University of California Medical Center, Los Angeles. Upon completion of his residency training in 1960, he remained on the UCLA faculty for one year as an Instructor in Surgery. In 1961 he was certified by the American Board of Surgery and the Board of Thoracic Surgery.

On July 1, 1961 he joined the faculty of The Ohio State University as an Assistant Professor of Surgery with joint appointments in the Divisions of General Surgery and Thoracic Surgery. With his broad background of training, experience and his technical skill, he was soon recognized as a master surgeon, particularly in the peripheral vascular field. In the Department of Surgery he had numerous administrative assignments including the graduate

April 9, 1970 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

B. Samuel A. Marable (continued)

training program, sophomore surgical lecture course and resident rotations. His contributions to the medical literature were numerous, including the elucidation of the celiac compression syndrome.

Dr. Marable's excellence as a teacher was recognized by the medical students who selected him the 1964 Faculty Man of the Year. The students made special note that he was "a true gentleman in his teacher-student relationships." Also in 1964 the Columbus Junior Chamber of Commerce honored Dr. Marable as one of the ten "Outstanding Young Men of Central Ohio."

In addition to his serving as Secretary-Treasurer of Alpha Omega Alpha, Dr. Marable was a member of numerous surgical and medical associations. He had just been installed as President of the Academy of Medicine of Columbus and Franklin County.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the College of Medicine and the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

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X. REPORTS

A. Highlights of University Activities

President Fawcett reported to the Board on some of the significant happenings that have taken place at the University. Some references included in this report, which is filed with the official records of the Secretary, were as follows:

1. The University will introduce an upper-division program in elementary education next autumn at its four regional campuses. The level of enrollments will determine when each campus will be able to offer the complete four-year program.
2. Ohio State awarded 68 per cent of the Ph. D. degrees granted by eight state-assisted universities in Ohio during 1968-69, according to Ohio Board of Regents figures. During that period 757 doctorates were granted by the universities, with Ohio State accounting for 518. Closest in number of doctorates awarded was the University of Cincinnati with 89. Ohio State's area of heaviest concentration in Ph. D.'s was education with 96, or 66 per cent of the 145 degrees awarded in education by the state-assisted universities.
3. The fully automatic car under development at Ohio State recently was steered automatically along a section of new but unopened interstate highway at 100 m. p. h. Previously such steering tests were limited to a maximum of 70 m. p. h.

April 9, 1970 meeting, Board of Trustees

X. REPORTS (continued)

A. Highlights of University Activities (continued)

4. The President expressed his great pleasure with the events of the Centennial Weekend. He also indicated that the response has been highly favorable.

B. Report on the University's Investment Portfolio

The report dated April 8, 1970, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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XI. CENTENNIAL COMMENDATION

Mr. Ketterer made the following statement--

The Ohio State University Centennial Year has begun in a truly memorable manner. As Trustees we have witnessed and participated in an array of outstanding programs. We have also on behalf of the University been recipients of a number of commendations and congratulations.

On behalf of all of the members of the Board I should like to express appreciation to those who have had a role in inaugurating the Centennial Year in such an auspicious manner.

--The Students, through the Student Centennial Committee, for the outstanding program on January 10, opening the Centennial Year.

--The Faculty, Administration and Staff of the College of Agriculture and Home Economics, for conducting the very remarkable program on February 12 and 13.

--The Alumni, through The Ohio State University Association, for the outstanding Charter Weekend, March 20-22.

--The Faculty, Administration and Staff, and specifically the Centennial Committee for all of the planning that has gone into developing such an outstanding program.

For the many proclamations and resolutions, and specifically those of the Governor and the Ohio General Assembly, we also express the deep appreciation of the University.

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April 9, 1970 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, May 14, 1970, at The Ohio State University, Columbus, Ohio at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

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## APPENDIX VI

Deletion of Rule 41.01 (Application for Admission; Dates) and  
Revisions of Rules 47.03, 47.05, 47.07, 47.09, 47.11 and 47.15  
and the Deletion of Rule 47.13 of Rules for the University Faculty

Approved by Faculty Council  
March 10, 1970

Adopted by Board of Trustees April 9, 1970,  
with exception of Rule 47.11  
(See page 450)

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Deletion of Rule 41.01 (Application for Admission; Dates) and  
Revisions of Rules 47.03, 47.05, 47.07, 47.09, 47.11 and 47.15  
and the Deletion of Rule 47.13 of Rules for the University Faculty

The Faculty Council on March 10, 1970, approved certain changes in Rules for the University Faculty as enumerated below:

- (1) Deletion of Rule 41.01 (Application for Admission; Dates)
- (2) Revisions in Rules 47.03, 47.05, 47.07, 47.09, 47.11 and 47.15
- (3) Deletion of Rule 47.13 and
- (4) Renumbering of Rule 47.15 to Rule 47.13 to maintain continuity

47.03. Minimum Scholastic Requirements.

Section 1. Rules 47.03, 47.05, 47.07, 47.09, 47.11, and 47.13 shall apply only to undergraduate students (as defined in Rule 41.03). The academic standards controlling warning, probation, and dismissal of professional and graduate students shall be established by rule by the faculties of the College in which the professional student is registered, or of the Graduate School if the student is a graduate student; provided, however, that an undergraduate professional student shall not be dismissed from the University unless he has 15 or more deficiency points as defined in Section 3 hereof and computed on the basis of his entire undergraduate program.

Section 2. Application of Rule to Transfer Students. For the purpose of this rule the deficiency points of a transfer student from another university, who is admitted to advanced standing in this University, shall be computed only upon work done at this University.

Section 3. Requirements and Definition. In order to remain in good standing in the University a student must maintain a point-hour ratio (see Rule 37.05) of at least 2.00. Deficiency points are applied only to the records of students whose point-hour ratio is below 2.00 and are defined as the number of credit points a student would have to earn to bring his point-hour ratio up to that level. Deficiency points may be calculated by subtracting the total number of credit points earned from twice the total number of credit hours attempted for which calculable grades (A, B, C, D, or E) were given.

47.05. Academic Warning.

Section 1. Any student who has never attended another college or university and who seeks to enroll as a new freshman in this University shall be placed on special warning when his application for admission is received and processed if his academic credentials indicate the probability of low achievement. He and his parents or guardian shall be so informed before final registration and the payment of fees are completed, except as provided in Rule 47.11. The fact that special warning has been given shall be made known to the office of the College or School to which he seeks admission.

Section 2. If, at the end of any quarter, a student subject to the provisions of Rule 47.03 has accumulated deficiency points in the range from one through fourteen, he shall be warned and his parents or guardian shall be notified by the Dean of his College or Director of his School, except as provided in Rule 47.11.

Deletion of Rule 41.01 (Application for Admission; Dates) and  
Revisions of Rules 47.03, 47.05, 47.07, 47.09, 47.11 and 47.15  
and the Deletion of Rule 47.13 of Rules for the University Faculty

47.07. Academic Probation.

Section 1. Any student who has accumulated fifteen or more deficiency points shall be placed on probation. The probation shall continue provided the student's college considers his progress to be satisfactory and shall be removed when he has reduced his deficiency points to fourteen or fewer. The student and his parents or guardian shall be notified of probationary status by the Dean of the College or the Director of the School in which he is registered, except as provided in Rule 47.11. Such notification shall include a clear statement of what shall be considered to be satisfactory progress.

Section 2. Probation by special action. If at any time the preparation, progress, or success of a student in his academic program is determined to be unsatisfactory, the College or School in which the student is registered shall be empowered to place him on academic probation.

47.09. Academic Dismissal.

Section 1. If the student's College or School considers a student's progress as unsatisfactory in meeting the conditions placed on his probation the College or School shall be empowered to dismiss him from the University. An exception to this authority for undergraduate professional students shall be in accordance with Rule 47.03, Section 1. Notice of the dismissal shall be sent to the student and the student's parents or guardian by the Dean of the College or the Director of the School in which the student was registered for the quarter, except as provided in Rule 47.11. No student shall be subject to academic dismissal unless he is currently on probation.

47.11. Exception to Notice of Probation and Dismissal.

The notice of action to parents or guardians provided for in Rules 47.05 (Sections 1 and 2), 47.07 (Section 1) and 47.09 (Section 1) will not be sent for a married student or a student who is 21 years of age or older, if the student has requested the Registrar not to send his grade reports to his parent or guardian.

47.13. Reinstatement after Academic Dismissal.

Section 1. Any student who may be reinstated by a College or School following academic dismissal shall be subject to such special requirements as may be determined appropriate by the Dean of the College or Director of the School. If the performance record of any reinstated student does not meet the conditions of probation specified at the time of reinstatement, then the College or School in which he is registered shall determine whether the student is to be dismissed or continued on probation.

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTY-SECOND MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 14, 1970

The Board of Trustees met at its regular monthly meeting on Thursday, May 14, 1970, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Frederick R. Eckley, Jack G. Gibbs and M. Merle Harrod.

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Minutes of the last meeting were approved.

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ELECTION OF OFFICERS

Mr. Shocknessy moved that the following-named persons be placed in nomination as officers for the Board of Trustees, whose terms of office shall be effective May 14, 1970, and shall continue through the May, 1971, meeting of the Board:

Chairman	John G. Ketterer
Vice Chairman	Frederick E. Jones
Secretary	Edward Q. Moulton
Treasurer	Gordon B. Carson

Mr. Safford seconded the motion, and the above-named persons were elected to the offices as indicated by unanimous vote of the Board - Mr. Ketterer abstaining.

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May 14, 1970 meeting, Board of Trustees

STATEMENT OF CONDITIONS RELATED TO THE  
REOPENING OF THE UNIVERSITY

President Fawcett presented the following statement of conditions related to the reopening of the University.

I need not remind this governing board that the conditions leading up to the official closing of this campus constitute a catastrophe of incalculable dimensions. Just the problem of logistics in shutting down and securing this place required two days of intensive work on the part of authorized personnel who could accomplish that task. The process of reopening requires the cooperation of literally thousands of people and the development of a set of conditions that hopefully will assure continuing operation once we are under way again. One concept has been very clear to me even before the instant of closing. This University has been in operation for a hundred years; ways must be found to reopen it and to keep it functioning in service to the people for whom it was founded. Ever since it was closed and secured, we have been examining the input from faculty, students, staff, alumni, trustees and the general public, including many thousands of letters and petitions, most of which have pleaded for a reopening in time to permit students to finish the work of the quarter and to permit others to graduate in order to take advantage of job opportunities in a market where often the supply of trained manpower presently exceeds the demand.

As a result of all kinds of consultation, I would now like to outline the procedures we believe to be essential if we are to reactivate the educational processes that over the years have gained great vigor here and that have lifted this institution to a position of national and international eminence. I will, therefore, review a plan under five headings:

Campus Security,  
Faculty Role,  
Students' Role,  
Administration Role, and  
Communications.

Following this presentation, I will request from the Board, action designed to enable us to get under way. If that action is approved, I will then submit a time schedule for your consideration and, hopefully, for your approval.

Campus Security

It is clear to me that the reopening of this campus must be accomplished without the use of outside security forces and must continue to operate on this basis as faculty, students and administration join together to achieve the educational objectives of the Spring Quarter and to engage in such discussions as may be necessary as a means of resolving any legitimate issues that may prevail. I have a commitment from the enforcement agencies of the State that they will return to assist in case of emergency, but those agencies

May 14, 1970 meeting, Board of Trustees

President Fawcett's Statement (continued)

have no more interest than we have in being on this campus to preserve order. It is our earnest hope that we can regulate the operation of the University without resorting to the use of large security forces in the future.

Access to this campus must continue to be controlled, which means that admission to it must be accomplished through an identification system. Our plan is to provide free pedestrian traffic for students, faculty and others who are authorized to be here, but other pedestrians will be required to produce identification or leave immediately before legal action for trespassing is taken.

We already have instituted a mandatory identification system for faculty, students, staff and visitors. All but about ten thousand of our students have such identification on a voluntary basis. In order to attend classes and participate in University functions all those who do not - whatever their approved category - will be required to obtain ID cards on a schedule that will be announced.

It is essential to begin a system of building security. The Office of Academic Affairs has arranged to have at every building, an Administrator-in-Charge, who will have access to the Office of the Vice President for Business and Finance, under whom our security people function. Additionally, we are in the process of working out a system of watchmen in buildings - an action we believe necessary, because of the high incidences of fire, here and on other campuses in recent days and weeks.

Another action that is necessary but cannot be accomplished immediately is an upgrading of the University security force, both in quality and quantity. This procedure has funding implications and probably will result in a reordering of our priorities for the 1970-71 academic year. It is very clear to me that some substantial changes in the whole system of University security must be achieved in the very near future.

At least during the first several days after we reopen, it may be necessary to establish a curfew extending from 12:00 midnight until 6:00 a.m. so that security can be maintained within the capability of manpower available. I am also asking for authority to limit to a specified area or areas, all people who wish to engage in peaceful dissent and demonstrations - those who are within their constitutional rights and will assure us of so remaining.

Faculty Role

On Tuesday of this week, I met for five hours with the Faculty Council to seek consultation, advice and cooperation. This body can and, I believe, will serve as a task force to persuade and influence all members of the faculty to cooperate with essential security measures. The Council took action requesting me to recommend to this Board the reopening of the University, which was a prerequisite to readmitting faculty to the campus - beginning yesterday morning - in preparation for reopening.

May 14, 1970 meeting, Board of Trustees

President Fawcett's Statement (continued)

In terms of their time commitments, the faculty has been requested to place top priority on assisting students and completing this quarter's work. Teachers have been asked to conduct extra class meetings, when appropriate.

As time is available tutoring for those who need it can be provided. All members of the faculty have been requested to provide extended office hours in order to help students catch up on their schedules. Additionally, every effort will be made to facilitate graduate theses, particularly for those people planning to graduate in June and who have job commitments immediately thereafter.

All faculty travel will be deferred during the remainder of the Spring Quarter, unless it is absolutely necessary for someone to travel in support of the central mission of this institution and in support of its instructional program. Routine types of travel for participation in professional and scholarly conferences will be deferred until after the end of the Spring Quarter. Any emergency travel required will be cleared through the Department Chairman, the Dean of the College and the Vice President for Academic Affairs.

All faculty research during the remainder of the Spring Quarter will be set aside, except where the research is essential to the completion of contractual obligations or that which contributes to the work of a graduate student whose career aspirations would be limited otherwise. Free and independent research during this restricted period will be set aside in an effort to have all faculty assist students in the completion of their academic work. We are assured of outstanding cooperation in this respect, and I have every reason to believe that the faculty will keep its commitment.

College and departmental committees and agencies will be used to work with students in reexamining such issues as may appear to be dividing this campus. Additionally, the faculty has addressed itself vigorously to helping resolve these matters by creating a mechanism that will be in operation concurrently with the opening of the University, if not before. The Faculty Advisory Committee to the President and Board of Trustees will coordinate this effort by providing an opportunity for representative students, faculty and administration to come together for the purpose of reviewing actions that have been taken, and for refining and making recommendations on such legitimate issues as may yet need resolution. An earnest effort will be made to analyze these issues in depth and to take such steps as may be in the best long range interest of this University.

The Faculty Council has been requested to begin at once to reexamine the possible further decentralization of academic organization as a means of relating more effectively to undergraduate instruction. It is our view that we need a higher degree of capability for each college to interface with its students. The student needs to feel that he belongs to a college, that he has an identity in it, and that he has people to talk to about his problems.

Students' Role

We are requesting that all non-essential extracurricular activities be canceled so that the students may give full time to their academic work. This is not to say that no student organization can meet, but such meetings as are

May 14, 1970 meeting, Board of Trustees

President Fawcett's Statement (continued)

essential should be determined by the college or the structure in which the organization operates, and all of these that can be eliminated will be eliminated during the remainder of the quarter. Every effort will be made to persuade each individual enrolled as a student at this University that concentration on the completion of his course work must come first.

Administration Role

Central administration will take a very hard look at its structure and organization and will, among other changes, try to select a student advisory mechanism for every cabinet officer. We will reassess our counseling and advising system to determine how much of this work should be done centrally as versus how much should be done at the college level. Such changes as need to be made will be contingent upon such academic reorganization as is appropriate, based upon in-depth studies of the manner in which the student can relate to his own college objectives. I am, personally going to examine the feasibility of having some type of student advisory committee that will meet with me on a regular basis, just as the Faculty Advisory Committee does at the present time.

If all of these procedures work, we will try to arrange an appropriate commencement.

Communication

There will be a number of techniques used to try to develop an internal communications system that will work whether or not we are in a crisis situation. When peaceful demonstrations are infiltrated with people who are committed to disruption and violence, we simply have not had a communication system that would function effectively. We are addressing ourselves to this problem at the present time. Also, we will be developing some kind of house organ so that faculty, students and administration can be as fully informed on University action as possible.

We intend to institutionalize our information center, which came into being during the crisis and which has been very effective and helpful in getting information to so many thousands of people who have been trying to understand what was going on here and what would be the conditions for returning.

Some of the above plans have been implemented fully; others will be completed by the time the University might reopen, and the remainder will be pursued as rapidly and as vigorously as possible. Based upon this plan of action, I wish to present the following resolution and to recommend its approval.

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Mr. Ketterer noted as a point of personal privilege his deep appreciation of the honor as well as the sense of deep responsibility which he felt by being reelected as Chairman of the Board for another year. He pledged the assistance of the Board and urged the cooperative effort of the entire academic community toward reinstituting and maintaining the educational process at The Ohio State University.

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May 14, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. SPECIAL RECOMMENDATIONS

A. Ratification of the President's Action  
Closing the University

WHEREAS, the recent events which occurred at the University have resulted in high emotion, disruption, damage and danger; and

WHEREAS, the Governor recommended that universities experiencing disruption should close; and

WHEREUPON, President Fawcett closed the University, Columbus Campus, at 6 p.m., May 6, 1970, until further notice;

THEREFORE BE IT RESOLVED, that the President's action closing the University is hereby ratified.

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the above resolution was adopted by unanimous roll call vote.

B. Authorization of the Reopening of the University and  
Special Interim Authorization to the President

WHEREAS, an emergency situation exists on the campus with attendant problems in assuring security for persons and property; and

WHEREAS, new policies, rules, methods and procedures for campus governance are to be formulated;

THEREFORE BE IT RESOLVED, that the President be authorized to reopen the University in accordance with the attached schedule. Be it further resolved that the President be authorized to establish such interim policies, rules, methods and procedures as are, in his judgment, required to open the campus and to preserve the general safety and welfare;

AND, FURTHER BE IT RESOLVED, that such authority shall enable the President to do the following, but to not be limited thereto:

1. The establishment of a mandatory system of identification for all University-related personnel and for all other persons having official business on campus.
2. The establishment of interim rules of time, place and manner for all campus activities.
3. The restriction from University property of any person not properly identified or without official authorization, and the determination as to whether such person is a trespasser.

May 14, 1970 meeting, Board of Trustees

I. SPECIAL RECOMMENDATIONS (continued)

B. Authorization of the Reopening of the University and  
Special Interim Authorization to the President (continued)

4. The establishment of other such emergency security procedures as judged necessary to preserve the safety and welfare of individuals and property within the jurisdiction of this University.

Upon motion of Mr. Jones, seconded by Mr. Harrod and Mr. Shocknessy, the above resolution was adopted by unanimous roll call vote.

SCHEDULE FOR OPENING

- |                 |   |
|-----------------|---|
| Friday, May 15  | Academic programs in Medicine, Dentistry and Veterinary Medicine in full operation.<br><br>Return of all instructional and research personnel.<br><br>Open libraries.<br><br>All clinics in full operation.<br><br>Open Center for Tomorrow.<br><br>Open Telecommunications Center.   |
| Sunday, May 17  | Return of residence hall supervisory personnel after 12 noon.   |
| Monday, May 18  | Open all residence halls to receive students starting at 8:00 a. m.<br><br>Graduating students may counsel with their instructors.<br><br>Open Student Health Center.<br><br>Resumption of all graduate programs and professional programs in Law, Optometry, and Pharmacy.<br><br>Food service for dormitory residents available starting with noonday luncheon. |
| Tuesday, May 19 | Resumption of all other academic programs and the opening of all facilities.  |

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May 14, 1970 meeting, Board of Trustees

## II. GENERAL RECOMMENDATIONS

### A. Revisions of Rules 25.07, 35.03, 27.0701, 53.0705 and 49.03 and the Deletion of Rule 49.09 of Rules for the University Faculty

On April 14, 1970, the Faculty Council approved revisions in the Rules for the University Faculty, including the deletion of Rule 49.09 (see complete text of changes in Appendix VII, page 511).

The proposed changes in the existing Rules for the University Faculty as published in November, 1969, are as follows:

- (1) Rule 25.07 - repeals the requirement that a University Faculty meeting must be held each quarter during the academic year.
- (2) Rule 35.03 - permits final examinations for graduating seniors to be given during the regular examination period.
- (3) Rule 27.0701 and Rule 53.0705 - provides for full voting membership to the Graduate Student Representative on the Graduate Council.
- (4) Rule 49.03 - deletes the requirement that a student be in residence at the Columbus campus for three full time quarters as one of the requisites for the receipt of a degree from this University.
- (5) Rule 49.09 - deletes Rule 49.09 so as to make attendance at Commencement Exercises for graduating students optional.

President Fawcett recommended that the foregoing changes in the Rules for the University Faculty be approved by the Board of Trustees.

Upon motion of Mr. Harrod, seconded by Mr. Safford, the Board of Trustees approved the foregoing recommendation by unanimous voice vote, and the Secretary of the Board of Trustees was further instructed and given authority to make the foregoing changes in the next printing of the Rules for the University Faculty.

### B. Facilities to be Financed by the Ohio Public Facilities Commission

President Fawcett recommended that the following resolution be adopted:

BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, as follows:

Section 1. The President and/or the Vice President for Business and Finance of The Ohio State University are hereby authorized to complete and sign, on behalf of the University, Ohio Public Facilities Commission Forms Nos. 101 and 101A for any or all of the projects for the University provided for by or pursuant to the appropriations made under Section 4 of Amended Substitute House Bill No. 531 enacted by the 108th General Assembly.

May 14, 1970 meeting, Board of Trustees

## II. GENERAL RECOMMENDATIONS (continued)

### B. Facilities to be Financed by the Ohio Public Facilities Commission (continued)

Section 2. This Board of Trustees agrees to permit the Ohio Public Facilities Commission to use the sites for the purpose of said projects, the boundaries of which are shown in the plans for such projects, for so long as the bonds issued to finance such projects shall be outstanding.

Section 3. The Ohio State University, and this Board of Trustees in its behalf, agrees to undertake performance of the functions and responsibilities for a using governmental agency, and of a designated governmental agency to the extent it is such, as provided in the Regulations of the Ohio Public Facilities Commission and any applicable leases, agreements or rules of the Commission, with respect to the aforesaid projects.

Upon motion of Mr. Eckley, seconded by Mr. Dunlap, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## III. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the April 9, 1970, meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary and Emeritus Titles:

### A. Appointments

Arliss L. Roaden, Vice Provost for Graduate Affairs and Dean of the Graduate School, effective July 1, 1970, at a salary of \$28,968.00 per annum.

Osborn Tucker Smallwood, Director of International Programs in the Office of Academic Affairs, effective July 1, 1970, at a salary of \$26,208.00 per annum. Dr. Smallwood will hold an appointment as Professor in the Department of Speech at No Salary.

Virgil E. Blanke, Assistant Dean, College of Education, effective July 1, 1970, at a salary of \$23,568.00 per annum.

James N. Rosenau, Professor, Department of Political Science, effective July 1, 1970, at a salary of \$27,168.00 per annum.

May 14, 1970 meeting, Board of Trustees

III. PERSONNEL CHANGES (continued)

B. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 11, 1954, the following-named person was recommended for Leave of Absence With Salary from the Cooperative Extension Service for the period indicated:

Byron H. Nolte, Instructor (Extension Agricultural Engineer), effective June 16, 1970 through August 31, 1970, to participate in a program of professional improvement at The Ohio State University.

C. Leaves of Absence Without Salary

Irving Abramowitz, Professor, College of Administrative Science - Management Science, effective July 1, 1970 through June 30, 1971, for consultation and research in business.

Paul E. Fertig, Professor, College of Administrative Science - Accounting, effective October 1, 1970 through June 30, 1971, to accept a Visiting Professorship at Virginia Polytechnic Institute.

Howard P. Fink, Professor, College of Law, effective October 1, 1970 through September 30, 1971, to be a Visiting Professor at the University of Illinois, College of Law.

Walter E. Mitchell, Jr., Professor, Department of Astronomy, effective October 1, 1970 through September 30, 1971, to do research in Solar Spectroscopy at Mount Wilson, Kitt Peak and Lowell Observatories.

Leo J. Raskind, Professor, College of Law, effective October 1, 1970 through June 30, 1971, to be a Visiting Professor at the University of Minnesota, College of Law.

Stuart S. Roberts, Professor, Department of Surgery, effective May 6, 1970 for a one-year tour of active military duty in Vietnam.

Thomas T. Stout, Professor, Department of Agricultural Economics and Rural Sociology, effective July 1, 1970 through July 31, 1970, to do research in livestock marketing, U. S. Department of Agriculture, Economic Research Division.

May 14, 1970 meeting, Board of Trustees

III. PERSONNEL CHANGES (continued)

C. Leaves of Absence Without Salary (continued)

Peter Barth, Associate Professor, Department of Economics, effective October 1, 1970 through September 30, 1971, to accept a Brookings Institution Economic Policy Fellowship.

Bruce W. Marion, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective July 1, 1970 through August 15, 1970, for study and research at Harvard University.

Michael Dean Rose, Associate Professor, College of Law, effective October 1, 1970 through September 30, 1971, to be Staff Assistant to Chief Counsel for the Internal Revenue Service in Washington, D. C.

Jack P. Tull, Associate Professor, Department of Mathematics, effective October 1, 1970 through September 30, 1971, to continue as Visiting Professor at the University of Zambia.

J. Hayden Boyd, Assistant Professor, Department of Economics, effective October 1, 1970 through September 30, 1971, to accept a visiting appointment at the University of Rochester.

Jack E. Hathaway, Instructor, Veterinary Clinics, effective July 1, 1970 through June 30, 1971, to accept a grant from NIH to do graduate work.

Ana Llorens, Instructor, Library, effective May 1, 1970 through May 31, 1970, to complete requirements for master's degree in Hispanic literatures.

Sharon K. Myers, Instructor (County Extension Agent, Home Economics) Hocking County, effective June 16, 1970 through June 30, 1970, for personal reasons.

Marjorie Zimerla, Instructor, School of Nursing, effective April 1, 1970 through March 31, 1971, for personal reasons.

D. Emeritus Titles

Willard P. Ashbrook, School of Physical Education, with the title Professor Emeritus, effective July 1, 1970.

Glenn W. Blaydes, College of Biological Sciences - Botany, with the title Professor Emeritus, effective September 1, 1970.

Paul Bogatay, College of The Arts - Division of Art, with the title Professor Emeritus, effective September 1, 1970.

May 14, 1970 meeting, Board of Trustees

III. PERSONNEL CHANGES (continued)

D. Emeritus Titles (continued)

Earle R. Caley, Department of Chemistry, with the title Professor Emeritus, effective September 1, 1970.

Edgar Dale, College of Education, with the title Professor Emeritus, effective July 1, 1970.

Richard W. Deeds, College of Dentistry, with the title Professor Emeritus, effective July 1, 1970.

Oliver D. Diller, College of Biological Sciences - Botany, with the title Professor Emeritus, effective July 1, 1970.

Earl P. Guth, College of Pharmacy, with the title Professor Emeritus, effective September 1, 1970.

David M. Harrison, Department of Economics, with the title Professor Emeritus, effective July 1, 1970.

Freeman S. Howlett, Department of Horticulture, with the title Professor Emeritus, effective July 1, 1970.

Martha N. Lewis, School of Allied Medical Professions, with the title Professor Emeritus, effective July 1, 1970.

Mary Jane Loomis, College of Education, with the title Professor Emeritus, effective July 1, 1970.

Arthur E. Luckhart, College of Dentistry, with the title Professor Emeritus, effective July 1, 1970.

William B. McBride, College of Education, with the title Professor Emeritus, effective September 1, 1970.

Glenn W. Miller, Department of Economics, with the title Professor Emeritus, effective November 1, 1970.

Kathryn N. Miller, University Library, with the title Professor Emeritus, effective July 1, 1970.

Mabel L. Spray, Cooperative Extension Service, with the title Professor Emeritus, effective July 1, 1970.

Floyd S. Stahl, School of Physical Education, with the title Professor Emeritus, effective July 1, 1970.

George R. Staten, School of Physical Education, with the title Professor Emeritus, effective July 1, 1970.

May 14, 1970 meeting, Board of Trustees

III. PERSONNEL CHANGES (continued)

D. Emeritus Titles (continued)

Milton B. Trautman, College of Biological Sciences - Zoology, with the title Professor Emeritus, effective July 1, 1970.

Ruth L. Wilkins, College of Administrative Science - Administration, with the title Professor Emeritus, effective July 1, 1970.

George M. Lawrence, Department of Electrical Engineering, with the title Assistant Professor Emeritus, effective July 1, 1970.

Florence B. Allen, Department of English, Mansfield Campus, with the title Instructor Emeritus, effective July 1, 1970.

Norman C. Arnold, Cooperative Extension Service, with the title Instructor Emeritus, effective July 1, 1970.

Eddie F. Kuester, Cooperative Extension Service, with the title Instructor Emeritus, effective July 1, 1970.

Upon motion of Mr. Harrod, seconded by Mr. Hilliker, the Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles and the personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
March 21, 1970 - April 24, 1970

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	10	\$ 358,434.00
Industrial and Other Research	1	1,000.00
<u>Grants</u>		
Government Research - Federal	13	563,750.00
Industrial and Other Research	8	<u>99,602.09</u>
Totals	32	\$1,022,786.09

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, Office of Education, Washington, D. C., Request for Support of Review of Research in Science and Mathematics Education (to be known as Office of Education Project No. 2228 - Amend. #6 - College of Education - Science and Mathematics Education).  
Gross Value - \$4,801.00.
- b. U. S. Atomic Energy Commission, Argonne, Illinois, Knudsen and Molecular Diffusion of Gases in Capillaries and Porous Solids Over Large Pressure Ranges (to be known as U. S. Atomic Energy Commission Project No. 2381-C - Mod. #2 - Department of Chemical Engineering).  
Gross Value - \$29,649.00.
- c. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Investigation of the Conditions Leading to Spontaneous Ignition in Flowing Gas Mixtures (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2618 - Mod. #P003 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$12,785.00.

May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- d. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Inter-mittent Research on Material Problems (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2731 - Mod. #P006 - Research Foundation).  
Gross Value - \$9,785.00.
- e. U. S. Department of the Army, Picatinny Arsenal, Dover, New Jersey, Develop Mathematical Models of Antennas (to be known as U. S. Department of the Army Project No. 2805 - Mod. #P003 - Department of Electrical Engineering).  
Gross Value - \$10,000.00.
- f. U. S. Atomic Energy Commission, Argonne, Illinois, Electro-transport in Liquid Metals (to be known as U. S. Atomic Energy Commission Project No. 2818-A - Mod. #1 - Department of Metallurgical Engineering).  
Gross Value - \$34,979.00.
- g. Department of Transportation, Federal Highway Administration, Washington, D. C., Analysis of Fatigue and Fracture of Bituminous Paving Mixtures (to be known as Federal Highway Administration Project No. 2845 - Mod. #3 - Engineering Experiment Station).  
Gross Value - \$27,900.00.
- h. Department of the Air Force, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, Work Schedule - AFIT - School of Systems and Logistics (to be known as Air Force Institute of Technology Project No. 2855 - Mod. #3 - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$190,688.00.
- i. National Aeronautics and Space Administration, Washington, D. C., Development and Presentation of a Six Session, Eighty-Hour Training Course on Property Administration (to be known as National Aeronautics and Space Administration Project No. 3014-A1 - New - College of Administrative Science - Division of Continuing Education).  
Gross Value - \$30,000.00.
- j. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Laurel, Maryland, Seasonal Movements and Population Fluctuations of Red-Winged Blackbirds in the Lake Erie Region (to be known as Bureau of Sport Fisheries and Wildlife Project No. 3016-A1 - New - College of Biological Sciences - Zoology).  
Gross Value - \$7,847.00.

TOTAL - Government Research Contracts - Federal \$358,434.00

May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and

The Ohio State University Research Foundation

2. Industrial and Other Research Contract

- a. University of Dayton, Research Institute, Dayton, Ohio, Consulting Services Under the Supervision of Dr. Rudolph Edse (to be known as University of Dayton, Research Institute Project No. 3017-A1 - New - Department of Aeronautical and Astronautical Engineering). Gross Value - \$1,000.00.

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Tracing Photoreceptor Activity Within the Retina (to be known as National Institutes of Health Project No. 782-J - Ext. #10 - College of Biological Sciences - Biophysics). Gross Value - \$17,781.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Distribution and Metabolism of Labeled Digitaloids (to be known as National Institutes of Health Project No. 1451-H - Ext. #8 - Department of Pharmacology). Gross Value - \$41,441.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis and Separation of Carcinogenic Compounds (to be known as National Institutes of Health Project No. 1809-E - Ext. #6 - Department of Chemistry). Gross Value - \$20,072.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates (to be known as National Institutes of Health Project No. 1820-F - Ext. #6 - Department of Chemistry). Gross Value - \$52,875.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, Bethesda, Maryland, Quantitation of Blood Cell Flow in Single Capillaries (to be known as National Institutes of Health Project No. 2305-C - Ext. #3 - Department of Physical Medicine). Gross Value - \$21,813.00.

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- f. Department of Health, Education and Welfare, Public Health Service, Office of Education, Washington, D. C., A Junior High School Industrial Technology Curriculum Project (to be known as Office of Education Project No. 2361 - Rev. #4 - College of Education). Gross Value - \$90,000.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Gastrin in Normal and Abnormal Acid Secretion (to be known as National Institutes of Health Project No. 2606-B - Ext. #2 - Department of Surgery). Gross Value - \$14,986.00.
- h. National Science Foundation, Washington, D. C., Nuclear Physics Research With a 5.5 MeV Van de Graaff Accelerator (to be known as National Science Foundation Project No. 2759 - Amend. #2 - Department of Physics). Gross Value - \$189,900.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Continuous Analysis of Enzymes and Enzyme Inhibitors (to be known as National Institutes of Health Project No. 2791-A - Ext. #1 - College of Pharmacy). Gross Value - \$13,882.00.
- j. National Science Foundation, Washington, D. C., Research Initiation - The Oscillation of Fluid-Filled, Finitely Strained Elastic Membranes (to be known as National Science Foundation Project No. 3011-A1 - New - Department of Engineering Mechanics). Gross Value - \$15,000.00.
- k. National Science Foundation, Washington, D. C., Research Initiation - Optimum Data Allocation (to be known as National Science Foundation Project No. 3012-A1 - New - Department of Computer and Information Science). Gross Value - \$15,000.00.
- l. National Science Foundation, Washington, D. C., Finite Group Theory (to be known as National Science Foundation Project No. 3018-A1 - New - Department of Mathematics). Gross Value - \$20,000.00.

May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- m. U. S. Department of Agriculture, Washington, D. C., The Chemical Factors Controlling the Feeding Response in the Smaller European Elm Bark Beetle (to be known as U. S. Department of Agriculture Project No. 3023-A1 - New - College of Pharmacy).  
Gross Value - \$51,000.00.

TOTAL - Government Research Grants - Federal \$563,750.00

4. Industrial and Other Research Grants

- a. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Checks Nos. C701-027, C711-465 - Department of Surgery).  
Gross Value - \$1,353.44.
- b. The Regents of the University of Wisconsin, Madison, Wisconsin, Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Checks Nos. C719-158, C722-125, C722-126, C723-551, C723-552 - Department of Surgery).  
Gross Value - \$2,937.65.
- c. American Cancer Society, New York, New York, Cancer Research (to be known as American Cancer Society Project No. 3007-A1 - New - Department of Surgery).  
Gross Value - \$35,000.00.
- d. American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Determination of Malignancy of Cerebral Tumors Utilizing Fluorescence Microscopy (to be known as American Cancer Society, Ohio Division, Inc., Project No. 3013-A1 - New - Department of Surgery).  
Gross Value - \$1,980.00.
- e. National Endowment for the Humanities, Washington, D. C., An Artist/Teacher's Program of Theatrical Enrichment (to be known as National Endowment for the Humanities Project No. 3015-A1 - New - College of Humanities - Comparative Literature).  
Gross Value - \$17,091.00.

May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

4. Industrial and Other Research Grants (continued)

- f. American Iron and Steel Institute, New York, New York, Reactions During Solidification of Fe-X-0-S Melts (to be known as American Iron and Steel Institute Project No. 3019-A1 - New - Department of Metallurgical Engineering).  
Gross Value - \$10,440.00.
- g. American Iron and Steel Institute, New York, New York, Vapor Pressures of Iron Alloys (to be known as American Iron and Steel Institute Project No. 3020-A1 - New - Department of Metallurgical Engineering).  
Gross Value - \$10,800.00.
- h. American Iron and Steel Institute, New York, New York, Composition of Passive Films (to be known as American Iron and Steel Institute Project No. 3021-A1 - New - Department of Metallurgical Engineering).  
Gross Value - \$20,000.00.

TOTAL - Industrial and Other Research Grants \$99,602.09

Upon motion of Mr. Safford, seconded by Mr. Harrod, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contract	1	\$ 20,400.00
Industrial Research Contracts	<u>2</u>	<u>197,880.00</u>
Totals	3	\$218,280.00

During the period from March 20, 1970 through April 21, 1970, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

May 14, 1970 meeting, Board of Trustees

IV. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

1. Government Research Contract

EES 361X      A Study of Testing Variance in Size Distribution Analysis  
                 of Coarse Aggregate, Ohio Department of Highways,  
                 Columbus, Ohio.  
                 Gross Value - \$20,400.00.

2. Industrial Research Contracts

EES 325X      Load Profiles and Energy Requirements for Heating  
Ext. #1        and Cooling Buildings, American Society of Heating,  
                 Refrigerating, and Air Conditioning Engineers, Inc.,  
                 New York, New York.  
                 Gross Value - \$160,380.00.

EES 360X      Basic Studies of Sonic Power Transmission Fluid  
                 Systems, Champion Spark Plug Company, Toledo,  
                 Ohio.  
                 Gross Value - \$37,500.00.

TOTAL - Industrial Research Contracts \$197,880.00

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May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since April 9, 1970, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

SUMMARY

Administered Through the Office of Business and Finance	\$2,723,945.00
Received Through The Ohio State University Development Fund	66,208.56

A. Administered Through the Office of Business and Finance

1. \$540,600.00 granted by Department of Health, Education and Welfare, Office of Education, Bureau of Higher Education, Washington, D. C. 20202, to the University for participation in the NDEA, Title IV Graduate Fellowship Program, for the period September 1, 1970 through August 31, 1971. (Award No. 437-003090)
2. \$465,500.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Special Project Grant (Physician Augmentation Program)," under the direction of the College of Medicine, for the period April 10, 1970 through June 30, 1971. (Grant No. 1 D08 ME 00110-01)
3. \$340,500.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Institutional Grant," under the direction of the College of Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 E03 ME 00142-05)
4. \$327,500.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Institutional Grant," under the direction of the College of Dentistry, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 E03 ME 00378-05)
5. \$191,891.00 supplemental allocation granted by Department of Health, Education and Welfare, Office of Education, Bureau of Higher Education, Washington, D. C. 20202, to the University for National Defense Student Loan Fund, pursuant to Title II, Public Law 85-864, for the period July 1, 1969 through June 30, 1970. (Obligation No. 450039)
6. \$172,208.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Institutional Grant," under the direction of the College of Veterinary Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 1 E03 ME 00526-01)



May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$120,500.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Institutional Grant," under the direction of the College of Optometry, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 E03 ME 00614-05)
8. \$109,200.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Doctorate Program for Leadership Development in Vocational Education," under the direction of the College of Education, for the period April 1, 1970 through June 30, 1971. (Grant No. OEG 0-70-1945)
9. \$98,822.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Institutional Grant," under the direction of the College of Pharmacy, for the period July 1, 1970 through June 30, 1971. (Grant No. 1 E03 ME 00455-01)
10. \$78,550.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Multimedia Instructional System - Teaching Care of Patients With Impaired Vision," under the direction of the School of Nursing, for the period April 1, 1970 through March 31, 1971. (Grant No. 1 D10 NU 00469-01)
11. \$44,100.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "Graduate Training Program in the Sociology of Education and Community," under the direction of the Department of Sociology, for the period June 15, 1970 through August 31, 1971. (Grant No. OEG-0-70-3532)
12. \$35,713.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medicinal Chemistry," under the direction of the College of Pharmacy, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 GM01949-02)
13. \$28,880.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Studies on Comparative Electrocardiography," for a Development Award - Research Career Program under the direction of the Department of Veterinary Physiology and Pharmacology, for the period April 1, 1970 through March 31, 1971. (Grant No. 5 K03 HE13524-08)

May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

14. \$27,600.00 granted by United States Department of Justice, Law Enforcement Assistance Administration, Washington, D. C. 20530, to the University for the Law Enforcement Education Program, under the direction of the Student Financial Aids Office, for the period July 1, 1969 through June 30, 1970. (Transaction No. 003090)
15. \$27,000.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Undergraduate - Clinical Training Grant," under the direction of the Department of Medicine, for the period March 1, 1970 through February 28, 1971. (Grant No. 5 T02 HE05035-17)
16. \$25,380.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland, to the University for Undergraduate Nursing Scholarships, under the direction of the Student Financial Aids Office, for the period July 1, 1969 through June 30, 1970. (Grant No. B 7 45 0430 15 1)
17. \$23,000.00 supplemental allocation granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Professional Nurse Traineeship Program - Long-Term Academic - Training Grant," under the direction of the School of Nursing, for the period September 1, 1968 through August 31, 1970. (Grant No. 3 A11 NU 00029-13S3)
18. \$13,611.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Special Purpose Traineeship Grant," under the direction of the School of Allied Medical Professions, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 A04 AH 00022-02)
19. \$11,381.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Library Resource Support," under the direction of the University Libraries, for the period January 1, 1970 through December 31, 1970. (Grant No. 5 G01 LM00190-04)
20. \$10,482.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for "In-Service Institute in Physics for Secondary School Teachers," under the direction of the Department of Physics. This grant terminates on July 31, 1971. (GW-5528)
21. \$10,253.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for "In-Service Institute in Earth Science for Secondary School Teachers," under the direction of the Department of Geology. This grant terminates on July 31, 1971. (GW-5412)

May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

22. \$9,080.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland, to the University for Health Professions Student Loan, under the direction of the Student Financial Aids Office, for the period July 1, 1969 through June 30, 1970. (Grant No. 1 7 45 0430 15 1)
23. \$4,987.00 supplemental allocation granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, to the University for "ERIC Clearinghouse on Vocational and Technical Education," under the direction of The Center for Vocational and Technical Education, for the period March 1, 1970 through June 30, 1970. (Grant No. OEC-0-70-1214)
24. \$3,797.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland, to the University for Graduate Nursing Scholarships, under the direction of the Student Financial Aids Office, for the period July 1, 1969 through June 30, 1970. (Grant No. G 7 45 0430 15 1)
25. \$3,410.00 granted by National Science Foundation, Washington, D. C. 20550, to the University for a "Conference for School Decision Makers on 'Man Made World,'" under the direction of the Department of Physics. This grant terminates on August 31, 1970. (GW-5389)

TOTAL - Administered Through the Office of Business and Finance -  
\$2,723,945.00

B. Received Through The Ohio State University Development Fund

1. \$11,022.00 from The Charles F. High Foundation, Bucyrus, Ohio, for The Charles F. High Foundation Scholarship Fund.
2. \$10,000.00 from The Bremer Foundation, (In the name of Mrs. Marie Bremer), for The Bremer Foundation Fund in the College of Medicine.
3. \$10,000.00 from Grant Hospital, Columbus, Ohio, for the College of Medicine Emergency Fund.
4. \$5,000.00 from the Estate of Adah Wiseman for the Bruce K. and Adah V. Wiseman Fund.
5. \$4,741.00 from The Grace High Washburn Trust, Bucyrus, Ohio, for The Grace High Washburn Trust Scholarship Fund.
6. \$3,000.00 from Alcoa Foundation for the Alcoa Foundation Scholarship Fund.

May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

7. \$3,000.00 from American Institute of Real Estate Appraisers, Ohio Chapter No. 3, for the Real Estate Research Fund.
8. \$2,516.08 from The National Fund for Graduate Nursing Education for Graduate Nursing Education Fund.
9. \$2,235.15 from Antique Show Receipts, (In the name of Mrs. Jay L. Failer), for the Presidents Club Special Fund.
10. \$2,200.00 from Dayco Corporation, Dayton, Ohio, for the Dayco Corporation Research Fund for Mechanical Engineering.
11. \$2,000.00 from National Pest Control Association, Inc., to support research in the College of Biological Sciences.
12. \$2,000.00 from Robert F. Taylor for the Center for Tomorrow Fund.
13. \$1,575.00 from Mrs. Johannes F. Schwar for the Johannes F. Schwar Scholarship Fund.
14. \$1,500.00 from The Huntington National Bank (Trust Account No. 021 010 004) for the Young Americans for Freedom Fund.
15. \$1,405.00 from the Trust under the Will of Anna Roessler for the Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
16. \$1,014.33 from the Trust under the Will of Taine G. McDougal, (In the name of Taine G. McDougal), for the Taine G. McDougal Professorship in Engineering.
17. \$1,000.00 from Walter English, (In the name of Mrs. Marian Rose English), for the Food Industry Professorship Fund.
18. \$1,000.00 from The Resler Foundation, (In the name of Jack S. Resler), for the John B. Fullen Scholarship Fund.
19. \$1,000.00 from Mrs. Harold F. Zieg (Jessie Ruth) for the Ophthalmologic Center Fund.

TOTAL - Received Through The Ohio State University Development Fund -  
\$66,208.56

May 14, 1970 meeting, Board of Trustees

V. GRANTS AND GIFTS (continued)

C. Gift-in-Kind

- 1. A Linde Plasmarc Cutting Machine from Cleveland Crane and Engineering Company, Wickliffe, Ohio, for use in the Department of Welding Engineering.

Upon motion of Mr. Eckley, seconded by Mr. Dunlap, the acceptance of the foregoing grants and gifts was approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In March, 1970, the Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	662	\$405,457.23
Individuals other than alumni	196	77,572.59
Business concerns	32	34,404.21
Nonprofit organizations	<u>41</u>	<u>59,042.16</u>
	931	\$576,476.19

Of these gifts, 148 totaling \$2,499.65 were undesignated and 783 totaling \$573,976.54 were designated.

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VI. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following project be approved by the Board of Trustees:

A. University Hospital - Replacement of Main House Pump System

This project provides a new system with closely regulated hot and cold water pressure throughout the Hospital and will eliminate the present requirement for booster pumps to maintain adequate pressures for critical equipment on the upper floors.

Funds for this project have been provided from the Hospital Rotary and transferred to Budget Account 801216 (Hospital Air Conditioning).

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above recommendation was unanimously approved by roll call vote and the Secretary was authorized and directed to sign the plans and specifications for the above project for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids were received, to proceed with the award of contract. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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May 14, 1970 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS

A. University Hospital - Improvements to Selected Patient Areas  
(Extension of Project)

On February 12, 1970, the Board of Trustees approved the award of contracts for the above named project. The bids were taken with many alternates in an effort to provide the Hospital with prices on doing the work on a schedule provided by the Hospital, such as working second shifts, and additionally in doing work in several other patient care areas of the Hospital. The purpose of this form of bid was to get prices which would provide the Hospital management with the opportunity to choose as much area as possible for the remodeling project, limited only to the amount of funds currently available.

The Hospital administration is now able to allocate additional funds to provide for the complete redecoration of 6 East and 8 East Nursing Station.

Therefore, the Board of Trustees is requested to approve the expansion of the project from a total of \$38,000.00 to \$82,294.00 together with the acceptance of the duly received and recorded bids thereon.

Funds for this project have been provided from the Hospital Rotary.

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

B. Olentangy River - Channel Improvements

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (5 bids received 4-7-70)		
George J. Igel & Company, Inc. (Cols.)	\$146,440.00	\$227,000.00

Funds for this project have been provided from Budget Account 801211 Olentangy Freeway Relocation.

C. Parking Lot West of Pedestrian Bridge

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (6 bids received 4-8-70)		
Farley Paving, Inc. (Cols.)	\$105,500.00	\$115,000.00

Funds for this project have been provided by a transfer from Budget Account 801214 (Parking, Pedestrian Bridge).

May 14, 1970 meeting, Board of Trustees

VII. REPORT OF AWARD OF CONTRACTS (continued)

D. Street and Curb Repairs, 1969-70

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (5 bids received 4-16-70)		
N. J. LeCrone Company (Cols.)	\$ 31,784.18	\$ 32,270.00

Funds for this project have been provided from Budget Account 124358  
(Contract Repair).

E. Ohio Stadium - Painting Steel Work for C Deck

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (4 bids received 4-17-70)		
J. A. T. Construction, Inc. (London, O.)	\$105,000.00	\$110,000.00

Funds for this project have been provided from Budget Account 999000  
(Athletic Revenue Fund).

F. University Hospital - Renovation of 2nd Floor Radiology Rooms  
229 to 265 Inclusive

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (7 bids received 4-22-70)		
Robert H. Johns Company (Cols.)	\$ 13,267.00	\$ 18,000.00

Funds for this project have been provided from Budget Account 801218  
(Hospital Radiology Area).

Upon motion of Mr. Safford, seconded by Mr. Eckley, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance ratified by unanimous roll call vote.

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May 14, 1970 meeting, Board of Trustees

#### VIII. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

##### Ohio Board of Regents Requests

- 28 Approves the transfer and release of \$400,000.00 from Item 315-019 Mansfield Branch to Item 380-001 North Central Ohio Technical Institute - Equipment, H. B. 531, to provide funds to equip the technical building at the Mansfield Branch.
- 30 Approves the transfer and release of \$200,000.00 from Item 235-010 Ohio Board of Regents Architectural Planning Fund, to Item 315-077 Clinical Medical Sciences Educational Facility to provide funds for architectural planning.
- 33 Approves the transfer and release of \$500,000.00 from Item 315-018 Lima Branch, to Items 315-063 (\$5,461.00) Lima Technical Building for monies previously encumbered by the University and Item 388-001 (\$494,539.00) Penta County Technical Institute to provide funds to equip the technical building at the Lima Branch.
- 35 Approves the transfer and release of \$3,110,000.00 from Item 235-010 Ohio Board of Regents Architectural Planning and \$3,081,104.00 from Item 235-015 Ohio Board of Regents Utilities and Renovation to various accounts for several universities. The Ohio State University transfers are listed below:
- \$140,000.00 Item 315-068 College of Agriculture: lands, barns and teaching facilities
  - \$170,000.00 Item 315-067 University College, Phase III
  - \$ 40,000.00 Item 315-071 College of Optometry, Clinical facilities
  - \$250,000.00 Item 315-073 University Hall
  - \$120,000.00 Item 366-001 Agricultural Technical Institute, Wooster.
- All transfers were for architectural planning.

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#### IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

##### A. University School, Renovation and Air Conditioning - Employment of Engineers

President Fawcett recommended that the firm of Philip E. Absi & Associates, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications, estimate of cost, and field supervision of construction, as required.



May 14, 1970 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. University School, Renovation and Air Conditioning - Employment of Engineers (continued)

The fee for this service is 6 per cent of the cost of the mechanical and electrical work and is estimated to be \$15,000.00. Funds for this project have been provided by a transfer from Budget Account 149997 (New Programs Reserve), Budget Account 179999 (University Treasurer General Fund), and Item 315-074 (Utilities and Renovation), H. B. 531, to Budget Account 801140 (University School Remodeling).

B. University Hall Replacement - Employment of Architects

President Fawcett recommended that the firm of C. Curtiss Inscho and Associates, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project, including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and supervision of construction.

The fee for this service will be calculated on the basis of the schedules of the Architect's Society of Ohio of the AIA. Funds for this project have been provided from Items 315-073 (University Hall) and 235-010 (Board of Regents - Architectural Planning), H. B. 531.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the above recommendations were approved by unanimous roll call vote.

C. Marion Campus - State Route 95

WHEREAS, the Ohio Department of Highways has requested permission to widen and improve State Route 95 on lands fronting on the Marion Campus of The Ohio State University; and

WHEREAS, this additional land will permit the Ohio Department of Highways to widen State Route 95 to four continuous lanes, provide for a deceleration lane making a continuous right turn into the campus, and will provide for an improved entry way to the campus:

IT WAS RECOMMENDED that for the sum of \$5,375.00, the lands necessary for the above improvements be conveyed to the State of Ohio (The Department of Highways); and

IT WAS FURTHER RECOMMENDED that the President and/or Vice President for Business and Finance be authorized pursuant to section 3345.18, Ohio Revised Code, to act on behalf of the University in developing the necessary legal instruments to provide for the conveyance of the land necessary for the improvement to State Route 95.

May 14, 1970 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

D. Lima Campus Easement - Ohio Fuel Gas Company

The Ohio Fuel Gas Company has requested a gas line easement on State of Ohio lands that have been designated for the use of The Ohio State University, Lima Campus. The easement will provide for gas service to industry in the Lima, Ohio, area.

The standard easement charge as calculated by the Ohio Department of Public Works is \$1,080.00. The damages as calculated are \$1,365.00. The Ohio Fuel Gas Company agrees to pay to The Ohio State University, Lima Campus, \$2,445.00 for this easement.

It was recommended that the President and/or Vice President for Business and Finance be authorized to request that the Director of Public Works, pursuant to his statutory duties, act on behalf of the University in developing the necessary legal instruments to provide for the gas line easement.

E. Lima Campus - Shell Oil Company Easement

On November 14, 1968, the Board of Trustees granted an easement to the Shell Oil Company across lands of The Ohio State University, Lima Campus, for the installation of a pipe line. The Department of Public Works of the State of Ohio advised that the Shell Oil Company does not wish to conclude said easement and respectfully requests that the Board of Trustees' action of November 14, 1968, be rescinded.

President Fawcett recommended that the Board rescind the action of November 14, 1968, pertaining to the granting of an easement to the Shell Oil Company on lands of The Ohio State University, Lima Campus.

It was further recommended that the President or Vice President for Business and Finance be authorized to notify the Director of Public Works, that the above mentioned Board action has hereby been rescinded.

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above recommendations were approved by unanimous roll call vote.

F. Student Health Insurance

In accordance with the Board action taken involving student health insurance in September, 1957; April, 1958; February, 1966; and June, 1969, student health insurance has been revised. To meet the rapid inflation which is occurring in hospital and medical costs, and to continue to provide students a modern but controllable health insurance program to sufficiently meet these increased costs, important benefit improvements have been included within the Student Health Insurance Program for the 1970-71 policy year, as described in Exhibit A, on file with the records of the Board of Trustees. As a result of favorable claim experience under the Student Health Insurance Program during the current 1969-70 policy year, the benefit improvements are being made without any change in the current premium rates which will continue as follows:

May 14, 1970 meeting, Board of Trustees

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

F. Student Health Insurance (continued)

	<u>Existing Quarterly Premium Rates</u>
Student	\$12.00
Student and Spouse	26.00
Student, Spouse and Children	42.00

The benefit improvements have been selected after careful consideration of numerous alternatives by the University and its insurance consultants. This package of improvements reflects comments and suggestions received on reviewing the Student Health Insurance Program with student leaders.

It was moved by Mr. Hilliker and seconded by Mr. Dunlap that the President and/or Vice President for Business and Finance implement the above recommendations. The motion was approved by unanimous roll call vote.

G. College of Optometry Addition - Employment of Architects

President Fawcett recommended that the firm of Schooley Cornelius Associates be employed to provide complete architectural and engineering services for this project, including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and supervision of construction.

The fee for this service will be negotiated, based on the schedules of the Architect's Society of Ohio of the AIA. Funds for this project are provided from Item 315-071 (College of Optometry, Clinical Facilities), Item 235-010 (Board of Regents - Architectural Planning), and an anticipated Federal Grant.

Upon motion of Mr. Safford, seconded by Mr. Eckley, the above recommendation was approved by unanimous roll call vote.

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X. REPORT

A. Report on the University's Investment Portfolio

The report dated May 13, 1970, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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May 14, 1970 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, June 11, 1970, at The Ohio State University, Columbus, Ohio, at 10:30 a. m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

## APPENDIX VII

Revisions of Rules 25.07, 35.03, 27.0701, 53.0705  
and the Deletion of Rule 49.09 of Rules for the  
University Faculty

Approved by Faculty Council  
April 14, 1970

Adopted by Board of Trustees May 14, 1970  
(See page 485)

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Revisions of Rules 25.07, 35.03, 27.0701, 53.0705 and 49.03 and  
the Deletion of Rule 49.09 of Rules for the University Faculty

The Faculty Council on April 14, 1970, approved certain changes in Rules for the University Faculty as enumerated below:

- (1) Revisions of Rules 25.07, 35.03, 27.0701, 53.0705, 49.03 and
- (2) Deletion of Rule 49.09.

25.07. Meetings.

Meetings of the University Faculty shall be held as needed during the school year. These meetings shall be held on call of the President, either on his own motion or on request (a) of the Faculty Council or (b) of the University Faculty. The request of the Faculty Council shall be by action taken at any meeting of the Faculty Council. The request of the University Faculty shall be by petition signed by members of the University Faculty (see Rule 25.01) in a number equal at least to ten per cent of the total membership of the University Faculty. The President shall have a reasonable time to call the meeting after receiving the request.

For the purpose of Rules 25.07 and 25.09, this total membership of the University Faculty shall be determined as of the October 1 preceding the date on which the petition is filed.

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35.03. Examination Schedules.

Section 1. Scheduling of examinations in classes, the enrollment in which consists exclusively of students registered in the Colleges of Dentistry, Law, Medicine, Optometry, Pharmacy, or Veterinary Medicine shall be done by the administrative offices of these Colleges. All other examinations shall be centrally scheduled by the Office of the Registrar. Examination schedules prepared outside the Office of the Registrar shall, before publication, be cleared for time and room conflicts with the University Registrar who shall have power to resolve all such conflicts.

In performing its scheduling function the Office of the Registrar shall limit individual examinations to two-hour duration and the total examination period to five days; provided, however, that examinations in Deans' or Directors' survey courses shall be held during the last scheduled class hour, that examinations for the Summer Quarter shall be given during the final two scheduled class hours of each course, and that graduating seniors be examined in the regular examination period or at the time and in the mode fixed by their instructors.

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27.0701. Membership.

d. Representative from the Council of Graduate Students. A representative from the Council of Graduate Students shall sit with the Graduate Council as a member (see Rule 53.0705).

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Revisions of Rules 25.07, 35.03, 27.0701, 53.0705 and 49.03 and  
the Deletion of Rule 49.09 of Rules for the University Faculty

53.0705. Graduate Student Representation on University Committees.

Section 1. Each of the following Committees or Councils shall include in its membership one representative from the Council of Graduate Students: the Faculty Council, the Graduate Council, the Advisory Committee on Cultural Programs, the Committee on Academic Misconduct, the Library Council, the Ohio Union Council, and the University Scholarship and Loan Committee. Membership shall include the right to vote except on the Faculty Council.

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49.03. Requirements for an Undergraduate Degree.

To obtain an undergraduate degree from this University an undergraduate student must:

- a. Have been enrolled in the College, the Colleges of the Arts and Sciences, or the School recommending that degree during the last two quarters of work necessary to complete the degree requirements. The Executive Committee of the College, the Colleges of the Arts and Sciences, or the School recommending the degree may waive this requirement to the extent of not more than one quarter's enrollment if the student has six quarters in full-time residence (to be in full-time residence in any quarter a student must be enrolled in courses carrying twelve or more quarter hours credit) at this University, including a minimum of forty-five quarter credit hours earned through regular course enrollment at this University during the junior and senior years.
- b. Have earned through regular course enrollment a minimum of forty-five quarter hours credit from this University.
- c. Have satisfactorily completed the number of credit hours required for the curriculum he is pursuing. The minimum number of credit hours required in each curriculum shall include the credit hours required under Rules 31.0701 and 31.0703; however, excuses granted under Rule 31.0705 shall not reduce the stated minimum number of credit hours required in the curriculum for a degree or a certificate. Credit hours are considered as "satisfactorily completed" only if the student has received, at this University, the mark A, B, C, D, EM, K, S, or PA in those hours (see Rule 35.07).
- d. Have earned credit points (see Rule 37.03) totaling at least twice the number of credit hours attempted at this University for which calculable grades (A, B, C, D, or E) were given.
- e. Have satisfactorily met all additional college and curricular requirements for the degree involved.
- f. Have filed an application for the degree in accordance with rules prescribed by the College or School.

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 25, 1970

Pursuant to Article I, Section 2, of the By-Laws of the Board of Trustees of The Ohio State University, the Board met upon the call of the Chairman, John G. Ketterer, in a special meeting on Monday, May 25, 1970, at 9:30 a.m.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, Don M. Hilliker, William C. Safford, John H. Dunlap, Frederick R. Eckley, Jack G. Gibbs and M. Merle Harrod.

May 25, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Temporary Revisions of Rules 35.03 and 35.07 of  
Rules for the University Faculty

On May 20, 1970, the Faculty Council approved temporary revisions in the Rules for the University Faculty to apply for the Spring Quarter, 1970, only. (See complete text below.)

These temporary revisions in the existing Rules for the University Faculty as published in November, 1969, are as follows:

- (1) Rule 35.03 - addition to the rule to extend classes through final examination week.
- (2) Rule 35.07 - addition to the rule to provide students with the option of using a pass-fail grading system.

President Fawcett recommended that the foregoing changes in the Rules for the University Faculty be approved by the Board of Trustees.

Upon motion of Mr. Hilliker, seconded by Mr. Harrod, the Board of Trustees approved the above recommendation by unanimous roll call vote.

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35.03. Examination Schedules.

Section 3. In order to provide a maximum educational experience during the Spring Quarter, 1970, regular classes shall be held during final examination week. Final examinations shall be limited to one hour and given during regularly scheduled class periods. The professional colleges are exempted from this action.

35.07. Marks.

Normal evaluation procedures are modified for the Spring Quarter, 1970. The undergraduate students, and graduate professional students in the Colleges of Law and Dentistry, shall have the option of receiving letter grades (A, B, C, etc.), or Pass/Non-Pass (PA/NP) grades for any or all courses.

Graduate students shall have the option of receiving letter grades (A, B, C, etc.), or Satisfactory/Unsatisfactory (S/U) grades for any or all courses.

Therefore, all restrictions concerning the student's selection and use of the Pass/Non-Pass and Satisfactory/Unsatisfactory Options in Rule 35.07 are waived for the Spring Quarter, 1970, only. Courses taken in this quarter

May 25, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

A. Temporary Revisions of Rules 35.03 and 35.07 of  
Rules for the University Faculty (continued)

35.07. Marks. (continued)

under the Pass/Non-Pass Option shall not be included in the total hours permitted under this rule. The responsibility for implementing this alteration shall rest with the Deans of the Colleges.

Graduate professional students in the Colleges of Medicine, Optometry, and Veterinary Medicine are exempted from these changes.

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Mr. Gibbs expressed the necessity for more direct Board involvement in campus issues, the need for a representative advisory body to the Board and also recommended, because of campus tension, that students with approval of the Faculty Council be given the option of taking a cumulative grade for the work presently completed and be allowed to leave and be granted full credit for the quarter.

Motion lost for want of a second.

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B. Establishment of Interim Disciplinary Policy

WHEREAS, the members of the University Committee on Discipline resigned May 20, 1970; and

WHEREAS, there is urgent need for a disciplinary system pending further changes in disciplinary rules, bodies and procedures; and

WHEREAS, the President did promulgate interim policies on May 21, 1970;

THEREFORE BE IT RESOLVED, that the following promulgation by the President be hereby ratified:

PROMULGATION

May 21, 1970, 9:00 a.m.

Pursuant to the authority conferred upon me as President by the Board of Trustees on May 14, 1970, and the authority on discipline under Rule 51.01, I hereby declare that:

1. Procedures of the University Committee on Discipline are suspended.
2. Resignations of members of the University Committee on Discipline are accepted as of May 20, 1970.

May 25, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Establishment of Interim Disciplinary Policy (continued)

3. An office of University Hearing Officer is established to stand in the place and stead of such University Committee on Discipline as it appears in the rules.
4. Appointments to the office of University Hearing Officer will be made by me, and such office is empowered to adopt rules of procedure for disciplinary cases brought before it.
5. The function of the office shall be to hear evidence, report findings, and make recommendations to the Vice President for Student Affairs (11.1104) for final action.

Preceding the vote, Mr. Harrod received the assurance of President Fawcett that the University had neither capitulated nor granted amnesty to those involved in the recent disruption.

Upon motion of Mr. Safford, seconded by Mr. Dunlap, the above resolution was adopted by eight affirmative votes and one negative vote cast by Mr. Gibbs.

C. Establishment of the Office for the Coordination of Minority Affairs

WHEREAS, this University continues to recognize its responsibility to provide educational opportunities for minority groups; and

WHEREAS, this University is determined to continue to develop positive programs to carry out this responsibility;

THEREFORE BE IT RESOLVED, that there is hereby created the Office for the Coordination of Minority Affairs under the Office of Academic Affairs and Provost without approval of any representation heretofore made; and

FURTHER BE IT RESOLVED, that through procedures already established and approved by this Board, there is hereby authorized the appointing of a Vice Provost for the Coordination of Minority Affairs and such programs and staff as appropriate only on the expressed approval of this Board, and that the Secretary be delegated to make the appropriate change in Rule 11.1101.

Upon motion of Mr. Harrod, seconded by Mr. Gibbs, the above resolution was adopted by unanimous roll call vote.

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May 25, 1970 meeting, Board of Trustees

Thereupon the meeting adjourned.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 11, 1970

The Board of Trustees met at its regular monthly meeting on Thursday, June 11, 1970, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: John G. Ketterer, Chairman, Frederick E. Jones, James W. Shocknessy, William C. Safford, John H. Dunlap and M. Merle Harrod.

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Minutes of the last regular meeting (May 14, 1970) and the special meeting (May 25, 1970) were approved.

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June 11, 1970 meeting, Board of Trustees

President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Degrees and Certificates Conferred--Spring Quarter Commencement

President Fawcett recommended that degrees and certificates be conferred at the Spring Quarter Commencement Convocation on June 12, 1970, to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix VIII, page 571.)

Upon motion of Mr. Shocknessy, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous voice vote.

B. Honorary Degrees

The Board of Trustees on February 12, 1970, approved twenty-three recipients for honorary degrees to be awarded during the Centennial Year.

President Fawcett recommended that the honorary degrees, as specified hereafter, be conferred on the following individuals at the June 12, 1970, Commencement, with the exception of Dr. Chao, whose degree will be conferred on the occasion of his attendance at the Linguistics Institute to be held on this campus June 24, 1970:

Richard Bradfield	Doctor of Science
Yuen Ren Chao	Doctor of Humane Letters
Henry Steele Commager	Doctor of Letters
Thomas Carlyle Jones	Doctor of Science
Paul J. Flory	Doctor of Science
James A. Shannon	Doctor of Science
S. Fred Singer	Doctor of Science
J. Walter Severinghaus	Doctor of Humane Letters

It was recommended further under Section 3, Rule 11.05, and after consultation with the Faculty Advisory Committee to the President and the Board of Trustees that the honorary degree Doctor of Laws be conferred on Robert H. Finch at the June 12, 1970, Commencement.

Upon motion of Mr. Shocknessy, seconded by Mr. Harrod, the Board of Trustees approved the above recommendations by unanimous voice vote.

I. GENERAL RECOMMENDATIONS (continued)

C. Residence Halls Room and Board Rates

The subsequent recommendations reference the action taken by this Board on July 31, 1969. The University desires to provide the advantages of an educational and living experience through the operation of residence halls and the payment of the costs thereof in conformity with the Bond Resolution adopted by this Board on April 8, 1957.

The cost of operating residence halls continues to rise. Senate Bill 297 passed by the 108th General Assembly mandates wage and salary increases for staff members in classified jobs within the residence halls and the food service. Because of the increased cost of personnel and increases in the cost of food, materials, supplies, utilities and contract services, it is necessary to adjust the residence halls rates. Also, in the interest of improved living conditions, it is anticipated that the occupancy of certain residence halls will be reduced.

Accordingly, on the basis of studies made by Vice Presidents Carson and Mount, President Fawcett recommended that the schedule of rates for all residence halls included in the Bond Resolution referred to above and including such Housing Commission facilities as are used for residence halls, be made effective Autumn Quarter, 1970. The schedule of rates is as follows:

	<u>Recommended Rates</u>	<u>Present Rates</u>
General Dormitories	\$365 per quarter	\$335 per quarter
Stadium Scholarship Dormitory	165 per quarter	155 per quarter
Jones Graduate Tower		
Single Room	195 per quarter	195 per quarter
Double Room (each occupant)	165 per quarter	165 per quarter
Buckeye Village		
One Bedroom Units	87 per month	82 per month
Two Bedroom Units	110 per month	92 per month

It was recommended further that the University administration be authorized to establish the official rates for such residences as Lane Manor and Neilwood Gables and less than quarterly rates for residences in general conformity with the schedule of rates as established in the foregoing.

Upon motion of Mr. Jones, seconded by Mr. Safford, the Board of Trustees approved the above recommendations by unanimous roll call vote.

June 11, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Increase in the Instructional Fee

At the beginning of this present biennium a budget was developed for this University which could be accommodated within the funds appropriated by the 108th General Assembly and the student fee adjustments which this Board approved at their July 31, 1969 meeting.

Since this time, however, inflationary pressures as well as mandated civil service increases, increased fringe benefits to our employees at the lower income levels, unanticipated security costs and damage repair, and several high priority new programs have necessitated a reassessment of the available resources and projected allocations. In the process of this review every effort was made to eliminate all but the essential commitments in an effort to live within our present resources level. While a number of substantial cutbacks were effected, it was still not possible to sustain our commitments without additional resources. To put the proposed 1970-71 budget of the University into balance, the President therefore recommended:

That the Instructional Fee for The Ohio State University be increased \$10 per quarter for the Main Campus and the Branches effective Autumn Quarter 1970. (See Schedule of Student Fees, page 529.)

Upon motion of Mr. Harrod, seconded by Mr. Safford, the Board of Trustees approved the above recommendation by unanimous roll call vote.

President Fawcett made the following comments pertaining to the recommended current funds budget for the 1970-71 fiscal year:

Mr. Chairman and Members of the Board:

The current funds budget for the second year of the biennium, 1970-71, has been reviewed in considerable detail with you and is presented this morning for your official consideration. The budget totals \$228 million and represents an increase from estimated expenditure levels of \$217 million for 1969-70. The difference is \$11 million - or an increase of 5 percent. It is presented at a time when we estimate that nearly 46,000 students will be enrolled on the Main Campus at the beginning of the Autumn Quarter of 1970. This figure represents a drop in freshman enrollment as we begin to bring our registrations within the limits set in Amended Substitute House Bill No. 531 passed by the 108th General Assembly of Ohio. Despite its size this budget is an austere one. Inflation has been markedly higher than we estimated more than two years ago during budget forecasting for 1969-71. Also costs of new programs in response to new problems and of damages resulting from disruptions have had to be absorbed. This budget does anticipate a \$10/quarter fee increase in the Instructional Fee. This increase works no

Schedule of Student Fees, Effective Autumn Quarter, 1970

College or School	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Administrative Science	\$170	\$40	\$210	\$350	\$560
Agriculture and Home Economics	170	40	210	350	560
Arts and Sciences					
The Arts	170	40	210	350	560
Biological Sciences	170	40	210	350	560
Humanities	170	40	210	350	560
Mathematics and Physical Sciences	170	40	210	350	560
Social and Behavioral Sciences	170	40	210	350	560
Education	170	40	210	350	560
Engineering	170	40	210	350	560
Graduate School	170	40	210	350	560
Dentistry	290	40	330	350	680
Dental Hygiene	218	40	258	350	608
Law	205	40	245	350	595
Medicine*	310	40	350	350	700
School of Allied Medical Professions	170	40	210	350	560
School of Nursing	170	40	210	350	560
Optometry	208	40	248	350	598
Pharmacy	176	40	216	350	566
Veterinary Medicine	210	40	250	350	600
University College	170	40	210	350	560
University Branches	160	25	185	350	535

\*Pursuant to action of the Board of Trustees on January 14, 1965, third- and fourth-year students enrolled in the Doctor of Medicine degree program of the College of Medicine are enrolled in a year-round program of courses and are assessed fees on an annual basis payable in two installments, June 15 and December 15. The annual rate for such resident students for the 1970-71 academic year shall be \$1,050.00 for resident students and \$2,100.00 for non-resident students.

Part-time students (those enrolled for six or less credit hours or enrolled for one term of a Summer Quarter), shall be assessed one-half of the full fees. When fees are not evenly divisible, they shall be assessed to the next even dollar amount.

I. GENERAL RECOMMENDATIONS (continued)

President Fawcett's Comments (continued)

hardship on the economically underprivileged because of the educational grants program. The recommendation does not contain any increase in the General Fee. This increase will probably be less than and in a few cases only equal to the general trend across the country for fee increases.

As a part of the total current funds budget, the instructional and general budgets will increase \$5.7 million or about 5 percent. The major components are:

Personnel Services

Increased workloads and merit increases	\$2.8 M	4.3%
New programs	3.0 M	4.7%
<u>Operating and Equipment</u>	0.9 M	2.0%

The details are contained in the 1970-71 current funds budget document.

E. Budgets for the 1970-71 Fiscal Year

The expenditure budgets being proposed for the fiscal year 1970-71 represent an increase of 5 percent over the level of expenditures of the current year. While this current level is substantially above the original estimate for 1969-70 it should be recalled that at the time that budget was approved by this Board, the General Assembly had not passed an appropriation act nor had the fee level been established. Because of the uncertainties of these support levels a conservative level of expenditure was projected. As additional resources became available during the year, it was possible to fund planned priority needs of this University.

The estimates of available resources and expenditure budgets for the second year of the biennium have traditionally been closer to the actual expenditure levels than the first year because of fewer uncertainties inherently present at this period in a biennium. However, it should be understood that in spite of our best efforts, including the use for the third consecutive year of the advanced techniques of programmed budgeting in developing these budgets, that month-to-month adjustments will be necessary during this coming year; and accordingly the usual authority will be requested for making such adjustments as necessary and desirable.

And finally, as was mentioned in the previous recommendation pertaining to fees, several extraordinary circumstances have placed a considerable strain upon the budgets for this coming year. However, with the modest Instructional Fee increase and with the reordering of priorities, the following budgets should be adequate to the task:



June 11, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Budgets for the 1970-71 Fiscal Year (continued)

	1969-70 Original Budget	1969-70 Final Estimates	1970-71 Budget
<u>General Budgets</u>			
Personnel Services	\$ 70,474,027	\$ 73,358,795	\$ 81,428,298
Operating and Equipment	19,935,945	20,757,406	21,651,710
Student Services	2,875,000	2,716,500	1,000,692
Fee Waivers	5,353,500	5,875,000	6,250,000
All Other	3,795,911	3,665,580	1,671,690
Total	<u>\$102,434,383</u>	<u>\$106,373,281</u>	<u>\$112,002,390</u>
<u>Branch Campuses</u>	<u>\$ 2,970,800</u>	<u>\$ 3,603,300</u>	<u>\$ 4,313,840</u>
<u>Restricted Budgets</u>			
Endowments	\$ 550,000	\$ 500,000	\$ 525,000
Federal Grants/ Contracts	13,200,000	13,650,000	13,650,000
Ohio Grants/Contracts	1,300,000	1,300,000	1,325,000
Private Grants/ Contracts	3,550,000	3,369,000	3,600,000
*Research Foundation	17,500,000	17,500,000	17,100,000
**All Other	1,359,000	1,512,000	1,607,000
Total	<u>\$ 37,459,000</u>	<u>\$ 37,831,000</u>	<u>\$ 37,807,000</u>
<u>Rotary and Auxiliary Budgets</u>			
Cooperative Extension	\$ 7,540,000	\$ 8,850,000	\$ 9,200,000
University Hospitals	25,105,825	31,000,000	34,100,000
University Dormitories	9,553,330	9,700,000	10,748,000
Intercollegiate Athletics	3,800,000	3,700,000	3,464,000
Departmental Earnings	5,520,000	5,550,000	5,600,000
University Services	3,280,000	2,300,000	2,400,000
All Other	7,900,000	7,950,000	8,275,000
Total	<u>\$ 62,699,155</u>	<u>\$ 69,050,000</u>	<u>\$ 73,787,000</u>
<u>Grand Total</u>	<u>\$205,563,338</u>	<u>\$216,857,581</u>	<u>\$227,910,230</u>

\*Includes Research Foundation Operating Budget of \$1,184,134 for 1969-70 and \$1,374,110 for 1970-71, as approved by the Board of Directors of The Ohio State University Research Foundation on April 17, 1970.

\*\*Includes Mershon Center for Education in National Security, Development Fund, and Conferences.

June 11, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Budgets for the 1970-71 Fiscal Year (continued)

The University Treasurer projects that these expenditure budgets can be supported by the following estimated sources of income:

State Subsidy - Main Campus (a)	
Instruction	\$ 55,763,950
Student Fees - Normal	37,500,000
Fee Increases - Main Campus	1,350,000
Other General Income	16,125,509
Use of Balances	1,262,931
	<u>\$112,002,390</u>
Branch Campuses - All Sources	4,313,840
Departmental Earnings	5,600,000
University Services	2,400,000
Auxiliary Operations	65,787,000
Restricted Funds	20,707,000
	<u>\$210,810,230</u>
Research Foundation	17,100,000
Total	<u><u>\$227,910,230</u></u>

- (a) H. B. 531 shows \$54,613,950 plus \$1,350,000 out-of-state allowance: Less \$200,000 owed to Branch Campuses for upper division credits.

President Fawcett recommended that the expenditure budgets above and the supporting statements for the foregoing summary figures as reviewed by the Board of Trustees be approved subject to increases or decreases in expenditure levels commensurate with income, and that the Secretary be instructed to file detailed budget statements for the fiscal year 1970-71 with the official records of the University.

Upon motion of Mr. Dunlap, seconded by Mr. Harrod, the Board of Trustees approved the said budgets for the 1970-71 fiscal year by unanimous roll call vote.

President Fawcett made the following statement regarding the new rules with respect to campus disruption:

At a meeting of the Faculty Council on June 9, 1970, action was taken to propose replacement of Rules 29.2725, 51.03 and 51.05 with new Rules 29.2725 and 51.03.

Copies of these actions were forwarded to members of the Board of Trustees last week with the agenda for the meeting today.

The Committee on Rules of the Faculty Council reported out Rules 29.2725 and 51.03, June 9, 1970, after having made only very slight changes in the proposals that were forwarded to you. Faculty Council approved the new rules as set forth on page 535, requested

June 11, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

President Fawcett's Statement (continued)

that I transmit them to the Board of Trustees for consideration today and took a subsequent action to permit students who are alleged to have violated University Rules on disruption, during recent weeks, the option of having hearings under the old or the new rules.

On May 20, 1970, the Faculty Council took an action to set aside the procedures under the existing rules and instructed the Council on Student Affairs to bring forth new rules on this subject by June 2, 1970. Following that action the University Discipline Committee resigned. The next day, under authority vested in me by the Board, I promulgated new procedures based upon the old rules which involved the establishment of a Hearing Office and the appointment of a Hearing Officer.

While the new rules may have much of merit in them, it is my personal view that students who are alleged to have engaged in disruption and/or violence on this campus since early March should be heard under the old rules by a Hearing Officer appointed by me and that these cases should be disposed of as rapidly as charges can be developed or as cases are heard in the courts.

Amended House Bill 1219 has now passed the General Assembly and will become law within 90 days after it is signed by the Governor. To avoid further confusion and to handle interim cases as rapidly as possible, I wish to make the following recommendation:

F. Disruption Rules

Upon the recommendation of Faculty Council, the proposed revised Disruption Rules 29.2725 and 51.03, see page 535, which would replace the present Rules 29.2725, 51.03 and 51.05, are being presented to this Board for appropriate action.

Since any action involving changes in these Rules must take into consideration pending legislative action as well as the necessity for the University to proceed promptly with all accumulated cases, President Fawcett recommended that:

1. A Hearing Officer be appointed and that hearings for students identified as having engaged in disruption proceed as rapidly as possible under the existing Rules.
2. The revised Disruption Rules 29.2725 and 51.03 recommended by Faculty Council by action of June 9, 1970, be recommitted to Faculty Council for such redrafting as may be appropriate in light of the proposed State legislation on disruption.

June 11, 1970 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

F. Disruption Rules (continued)

Mr. Harrod suggested that it is time to consider some basic facts concerning the disruption rules. He referred to the Amended Substitute Senate Bill 468 which was passed and signed by the Governor in 1968 and quoted two paragraphs from Section 3345.21 of the Revised Code of Ohio. Pursuant to this act, The Ohio State University established rules with respect to disruption. Mr. Harrod indicated that he favored no change in these regulations.

Upon motion of Mr. Harrod, seconded by Mr. Jones, the Board of Trustees approved the foregoing recommendation by unanimous roll call vote.

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II. PERSONNEL CHANGES

President Fawcett recommended that all personnel changes since the May 14, 1970 meeting of the Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes included the following Appointment, Leave of Absence Without Salary and Emeritus Titles:

A. Appointment

Charles O. Ross, Chairman, Black Studies division, effective July 1, 1970, at a salary of \$20,088.00 for nine months. He will also hold the title Associate Professor in the School of Social Work at no salary.

Mr. Dunlap moved and Mr. Shocknessy seconded the motion that this recommendation be approved. Messrs. Shocknessy, Dunlap and Ketterer cast affirmative votes and Messrs. Jones, Safford and Harrod cast negative votes. Mr. Ketterer declared the motion lost.

B. Leave of Absence Without Salary

Ann Helburn, Instructor, University Library, effective June 1, 1970 through June 30, 1970, to travel.

C. Emeritus Titles

Merton D. Oyler, College of Social and Behavioral Sciences - Sociology, with the title Professor Emeritus, effective July 1, 1970.

Joseph Vogel, College of Humanities - English, with the title, Instructor Emeritus, effective July 1, 1970.

Upon motion of Mr. Jones, seconded by Mr. Harrod, the Leave of Absence Without Salary, Emeritus Titles, Promotions in Rank for 1970-71 and personnel budget actions as recorded in the official "Salary Roll" of the University were approved by unanimous roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll," an official document of the University.

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June 11, 1970 meeting, Board of Trustees

### Disruption Rules

At its meeting on June 9, 1970, Faculty Council passed the following Rule changes and requested that they be forwarded to the Board of Trustees for consideration at its June meeting.

These proposed changes in the Rules for the University Faculty as published in November, 1969, replace Rules 29.2725, 51.03 and 51.05.

- (1) Rule 29.2725 - provides for the establishment of Hearing Officers and panels to implement Rule 51.03.
- (2) Rule 51.03 - defines the jurisdiction of the University regarding student disruption, the sanctions to be applied, and the provision for hearings on individual cases.

The proposed rules are as follows:

#### 29.2725. Hearing Officers and Panels.

Section 1. The Council on Student Affairs shall establish and maintain a list of attorneys, unaffiliated with the University, who shall be authorized to act as Hearing Officers to preside over disciplinary proceedings under Rule 51.03. One such attorney shall be designated by the Council on Student Affairs as Chief Hearing Officer, whose duties shall include:

- (a) assisting the Council on Student Affairs in preparing and enacting procedural rules to guarantee due process, including, but not limited to, the procedural recommendations contained in the Report and Recommendations of the University Committee on Rights and Responsibilities (The Ohio State University, September 15, 1968).
- (b) selecting Hearing Officers as needed from the Council on Student Affairs' approved list;
- (c) reviewing every case in which sanctions have been recommended to determine whether such sanctions should be imposed or reduced, or whether the case should be dismissed or remanded for further hearing;
- (d) forwarding completed cases to the Vice President for Student Affairs for administrative implementation in accordance with their final determination by the Chief Hearing Officer;
- (e) hearing on appeal student disciplinary cases, not including University actions relating to academic failure or violations of a code of professional ethics or of an honor code of those colleges or academic units having such codes, where an appeal is taken by any student from any such action by his College, University Committee, or other properly authorized University adjudicatory body, only in those cases where the penalty assessed was suspension, dismissal, or expulsion.

Disruption Rules (continued)

29.2725. Hearing Officers and Panels. (continued)

Section 2. The Council on Student Affairs shall appoint an array of Hearing Panelists consisting of:

- (a) faculty members, on the advice and consent of the Faculty Council;
- (b) undergraduate students, on the advice and consent of the Undergraduate Student Assembly;
- (c) graduate students, on the advice and consent of the Council of Graduate Students;
- (d) professional students, on the advice and consent of the Professional College Council.

The Chief Hearing Officer shall randomly select from the array Hearing Panels, each composed of three faculty members, two undergraduate students, and one graduate or professional student. The Hearing Panels shall have original jurisdiction to hear cases of alleged student violation of Rule 51.03 brought before it by authorized University officials, make findings of fact, determine a verdict, and, in the event of a guilty verdict, to recommend sanctions.

51.03. Student Disruption.

Section 1. Students, as members of the University community, are expected to observe all valid and applicable city ordinances and state and federal statutes. The University distinguishes its responsibilities for student conduct from the control functions of the wider community. Except in those extraordinary cases under section five, *infra*, the University shall not initiate or exercise jurisdiction or disciplinary sanctions when public prosecution is anticipated or under way.

Section 2. The University may apply sanctions or take appropriate action for the breach of a valid city ordinance, or state or federal statute, only when the student's conduct, individually or by joining with others, directly and significantly interferes with the University's:

- (a) primary educational responsibility of ensuring the opportunity of all members of the University community to attain their educational objectives, or
- (b) subsidiary responsibilities of protecting the health and safety of persons in the University community, maintaining and protecting property, keeping records, providing living accommodations and other services, and sponsoring non-classroom activities such as lectures, concerts, athletic events, and social functions.

Disruption Rules (continued)

51.03. Student Disruption. (continued)

Section 3. Sanctions which may be imposed for conduct subject to University action under section two shall include one or more of the following:

- (a) disciplinary dismissal;
- (b) disciplinary suspension;
- (c) University disciplinary probation;
- (d) probation to the Dean of Students;
- (e) restriction on the use of designated University facilities or participation in specific University activities;
- (f) admonition and warning.

Section 4. A finding, after hearing, that the terms of disciplinary sanctions have been violated may be grounds for further disciplinary action by the University.

Section 5. In extraordinary cases where (a) there is substantial likelihood that a student may be found to have violated Rule 51.03, section 2, and (b) there is a clear and present danger of repeated or continued violation, and (c) the remedies available in pending or anticipated civil proceedings are inadequate protection, the University may, following a temporary hearing at which such facts are proved, order temporary suspension or probation:

- (a) pending final adjudication of civil proceedings; or
- (b) at the option of the student, pending a prompt and full hearing on the merits prior to the completion of civil proceedings; or
- (c) until such time that the clear and present danger of repeated or continued violation no longer exists.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

SUMMARY  
April 25, 1970 - May 22, 1970

	No. of Projects	Gross Value
<u>Contracts</u>		
Government Research - Federal	10	\$393,257.00
Industrial and Other Research	2	13,000.00
<u>Grants</u>		
Government Research - Federal	19	516,146.00
Industrial and Other Research	<u>3</u>	<u>20,212.00</u>
Totals	35	\$942,615.00

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on April 11, 1968, the President recommended that the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Research Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, Office of Education, Washington, D. C., The Development of an ERIC Clearinghouse for Science Education (to be known as Office of Education Project No. 2228 - Mod. #7 - College of Education - Science and Mathematics Education).  
Gross Value - \$11,938.00.
- b. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Research on the Pharmacology of TVOPA (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2828 - Mod. #P003 - Department of Preventive Medicine).  
Gross Value - \$9,000.00.
- c. U. S. Army, White Sands Missile Range, N. M., Oakland, California, Infrared Line Shape Study Using a Tunable Laser (to be known as White Sands Missile Range Project No. 2834 - Mod. #P001 - Department of Electrical Engineering).  
Gross Value - \$19,969.00.



III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Use of Radioiodine-Labelled Antibody Techniques to Studies on Viral Induced Tumors (to be known as National Institutes of Health Project No. 2854 - Mod. #2 - Department of Veterinary Pathology).  
Gross Value - \$80,000.00.
- e. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, High Temperature Electrochemical Research in Metallurgy (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2932 - Mod. #P001 - Department of Metallurgical Engineering).  
Gross Value - \$66,277.00.
- f. United States Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Radar Echo Reduction Studies (U) (to be known as Air Force Systems Command, Aeronautical Systems Division Project No. 2989 - New - Department of Electrical Engineering).  
Gross Value - \$69,000.00.
- g. Department of the Navy, Office of Naval Research, Washington, D. C., Alloy Corrosion (to be known as Office of Naval Research Project No. 3003-A1 - New - Department of Metallurgical Engineering).  
Gross Value - \$30,000.00.
- h. National Aeronautics and Space Administration, Hampton, Virginia, Theoretical Study of Radar Return and Radiometric Emission from the Sea (to be known as National Aeronautics and Space Administration Project No. 3030-A1 - New - Department of Electrical Engineering).  
Gross Value - \$30,000.00.
- i. Department of Army, U. S. Army Research Office - Durham, Durham, North Carolina, Luminescent Material Preparation and Spectroscopy (to be known as U. S. Army Research Office - Durham Project No. 3032-A1 - New - Department of Electrical Engineering).  
Gross Value - \$59,706.00.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Research Contracts - Federal (continued)

- j. Department of the Navy, Office of Naval Research, Washington, D. C.,  
Physical Fitness Training (to be known as Office of Naval Research  
Project No. 3039-A1 - New - School of Physical Education).  
Gross Value - \$17,367.00.

TOTAL - Government Research Contracts - Federal \$393,257.00

2. Industrial and Other Research Contracts

- a. Industrial Sponsor, Cincinnati, Ohio, Study of Dental Calculus  
(to be known as Industrial Sponsor Project No. 2070 - Mod. #9 -  
College of Dentistry).  
Gross Value - \$6,000.00.
- b. Jet Propulsion Laboratory, Pasadena, California, Principal  
Investigator Activities for the Nimbus-F Near Infrared Multi-  
detector Grating Spectrometer Experiment (to be known as  
Jet Propulsion Laboratory Project No. 3035-A1 - New -  
Department of Physics).  
Gross Value - \$7,000.00.

TOTAL - Industrial and Other Research Contracts - \$13,000.00

3. Government Research Grants - Federal

- a. Department of Health, Education and Welfare, Public Health Service,  
National Institutes of Health, National Cancer Institute, Bethesda,  
Maryland, Deoxyribonucleoside and Related Carcinolytes (to be known  
as National Institutes of Health Project No. 759-L - Ext. #12 -  
Department of Chemistry).  
Gross Value - \$10,166.00.
- b. Department of Health, Education and Welfare, Public Health Service,  
Prevention and Environmental Control of Diseases, Bethesda,  
Maryland, Mechanisms of Photochemically Initiated Oxidation  
(to be known as Prevention and Environmental Control of Diseases  
Project No. 1220-J - Ext. #9 - Department of Chemistry).  
Gross Value - \$12,553.00.
- c. Department of Health, Education and Welfare, Public Health Service,  
Consumer Protection and Environmental Health Service, Bethesda,  
Maryland, Mercaptocyclopropylamines Radiation-Protective Agents  
(to be known as Consumer Protection and Environmental Health  
Service Project No. 2460-C - Ext. #6 - College of Pharmacy).  
Gross Value - \$11,618.00.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Induction of Tolerance in the Adult Mouse and Dog (to be known as National Institutes of Health Project No. 2662-B - Ext. #2 - Department of Surgery). Gross Value - \$31,166.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Neurophysiology of Corneal Receptive Fields (to be known as National Institutes of Health Project No. 2774-A - Ext. #1 - College of Optometry). Gross Value - \$16,648.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis and Chemistry of Diazo Compounds (to be known as National Institutes of Health Project No. 2793-A - Ext. #1 - Department of Chemistry). Gross Value - \$42,320.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Enzyme Catalysis of Electron and Group Transfer (to be known as National Institutes of Health Project No. 2811-A - Ext. #1 - Department of Chemistry). Gross Value - \$20,906.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Arthritis and Metabolic Diseases, Bethesda, Maryland, Neuropharmacology of Pituitary ACTH Regulation (to be known as National Institutes of Health Project No. 2814-A - Ext. #1 - Department of Pharmacology). Gross Value - \$14,857.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Myelin Biosynthesis and Turnover (to be known as National Institutes of Health Project No. 2815-A - Ext. #1 - Department of Physiological Chemistry). Gross Value - \$23,159.00.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Systolic Intervals in Acute Myocardial Infarction (to be known as National Institutes of Health Project No. 2830-A - Ext. #1 - Department of Medicine).  
Gross Value - \$24,204.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Catechol-O-Methyl-transferase and Adrenergic Drugs (to be known as National Institutes of Health Project No. 2837-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$11,459.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Interactions of Tetracyclines Using Optical Probes (to be known as National Institutes of Health Project No. 2843-A - Ext. #1 - College of Pharmacy).  
Gross Value - \$15,967.00.
- m. U. S. Department of Labor, Manpower Administration, Washington, D. C., A Cost-Benefit Study of Higher Education Received Under the World War II GI Bill (to be known as Manpower Administration Project No. 3022-A1 - New - Department of Economics).  
Gross Value - \$12,687.00.
- n. Department of Army, U. S. Army Research Office - Durham, Durham, North Carolina, Early Stages of Phase Transformation (to be known as U. S. Army Research Office - Durham Project No. 3025-A1 - New - Department of Metallurgical Engineering).  
Gross Value - \$49,751.00.
- o. National Science Foundation, Washington, D. C., Chemistry of Metal Carbonyls (to be known as National Science Foundation Project No. 3026-A1 - New - Department of Chemistry).  
Gross Value - \$60,800.00.
- p. National Science Foundation, Washington, D. C., Dynamics and Chemical Behavior Chemistry of Carbanions (to be known as National Science Foundation Project No. 3027-A1 - New - Department of Chemistry).  
Gross Value - \$60,400.00.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Government Research Grants - Federal (continued)

- q. National Science Foundation, Washington, D. C., Stereochemistry of Unusual Coordination Numbers in Transition Metal Complexes (to be known as National Science Foundation Project No. 3028-A1 - New - Department of Chemistry).  
Gross Value - \$48,300.00.
- r. National Science Foundation, Washington, D. C., Analysis of Plateau Micrometeorological Tower Data (to be known as National Science Foundation Project No. 3029-A1 - New - Institute of Polar Studies).  
Gross Value - \$41,300.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, Stereochemical Studies of Adrenergic Drugs (to be known as National Institutes of Health Project No. 3034-A1 - New - College of Pharmacy).  
Gross Value - \$7,786.00.

TOTAL - Government Research Grants - Federal \$516,146.00

4. Industrial and Other Research Grants

- a. Organization for Tropical Studies, Inc., South Miami, Florida, Systematic and Ecological Studies in the Aquatic Plant Genus *Pontederia* L (to be known as Organization for Tropical Studies, Inc., Project No. 3031-A1 - New - College of Biological Sciences - Botany).  
Gross Value - \$1,250.00.
- b. American Heart Association, Inc., New York, New York, Action of Antimycin A on Heart Respiratory Function (to be known as American Heart Association, Inc., Project No. 3036-A1 - New - Department of Physiological Chemistry).  
Gross Value - \$13,200.00.
- c. National Endowment for Humanities, Washington, D. C., Hilander Microfilm Project (to be known as National Endowment for Humanities Project No. 3037-A1 - New - Department of Slavic Languages and Literatures).  
Gross Value - \$5,762.00.

TOTAL - Industrial and Other Research Grants \$20,212.00

Upon motion of Mr. Safford, seconded by Mr. Harrod, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts and grants were approved by unanimous voice vote.

June 11, 1970 meeting, Board of Trustees

III. RESEARCH CONTRACTS, RESEARCH GRANTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

SUMMARY

	No. of Projects	Gross Value
Government Research Contract	1	\$20,400.00
Industrial Research Contract	<u>1</u>	<u>8,800.00</u>
Totals	2	\$29,200.00

During the period from April 22, 1970 through May 25, 1970, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts were reported to the Board of Trustees for information and the record.

1. Government Research Contract

EES 361X      A Study of Testing Variance in Size Distribution  
Analysis of Coarse Aggregate, Ohio Department of  
Highways, Columbus, Ohio.  
Gross Value - \$20,400.00.

2. Industrial Research Contract

EES 362X      Atmospheric Influences on Ground Coat Sheet Steel  
Enamels, Columbia Gas System Service Corporation,  
Columbus, Ohio.  
Gross Value - \$8,800.00.

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June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS

The following grants and gifts to the University were among those received since May 14, 1970, and were reported for the record. Appropriate expressions of appreciation have been conveyed to the donors.

S U M M A R Y

Administered Through the Office of Business and Finance	\$2,236,410.83
Received Through The Ohio State University Development Fund	119,393.22

A. Administered Through the Office of Business and Finance

1. \$500,000.00 granted by Department of Health, Education and Welfare, Office of Education, Bureau of Higher Education, Washington, D. C., to the University for the College Work-Study Program, for the period July 1, 1970 through December 31, 1970. (NIH Grantee Account No. 766505)
2. \$298,900.00 granted by Department of Health, Education and Welfare, Office of Education, Bureau of Higher Education, Washington, D. C., to the University for Educational Opportunity Grants, for the period July 1, 1970 through June 30, 1971. (NIH Vendor No. 766505)
3. \$223,766.00 granted by Department of Health, Education and Welfare, Regional Office, Region V, 433 West Van Buren Street, Chicago, Illinois, to the University for construction of Allied Medical Professions Building. This grant is made under Title I of the Higher Education Facilities Act. (Project No. 4-5-00544-0)
4. \$155,994.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Health Professions Educational Improvement Program - Training Grant," under the direction of College of Optometry, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 D08 ME 02004-03)
5. \$143,649.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Allied Health Professions Educational Improvement Program - Basic Improvement Grant," under the direction of the School of Allied Medical Professions, for the period April 15, 1970 through April 14, 1971. (Grant No. 5 E01 AH 00606-04)
6. \$134,200.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for the preparation of teachers of mentally retarded, speech and hearing and visually handicapped, under the direction of the College of Education and the Department of Speech, for the period June 1, 1970 through August 31, 1971. (Grant No. OEG-0-70-3103)

June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

7. \$101,799.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Allied Health Professions Advanced Traineeship Grant," under the direction of the School of Allied Medical Professions, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 A02 AH 00010-04)
8. \$92,225.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Otolaryngology and Audiology - Training Grant," under the direction of the Department of Otolaryngology, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 NS05397-08)
9. \$61,574.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Neurological Surgery - Training Grant," under the direction of the Department of Surgery, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 NS05529-05)
10. \$61,006.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Cardiology - Training Grant," under the direction of the Department of Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 HE05546-10)
11. \$58,207.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Mental Retardation Training Program - Core Group," under the direction of the College of Medicine - Mental Retardation Training Program, for the period August 1, 1970 through July 31, 1971. (Grant No. 5 T15 MR 06013-04)
12. \$53,220.83 granted by U. S. Department of the Interior, Federal Water Pollution Control Administration, Washington, D. C., to the University for "Multidisciplinary Training in Water Pollution Control," under the direction of the College of Biological Sciences - Organismic and Developmental Biology, for the period July 1, 1970 through June 30, 1971. (Grant No. 5T1-WP-219-02)
13. \$49,677.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Parasitology and Medical Entomology," under the direction of the College of Biological Sciences - Entomology, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 AI00216-10)
14. \$47,796.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Training Grant in Endocrinology and Metabolism," under the direction of the Department of Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T01 AM05118-14)



June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

15. \$46,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for "Academic Advisor Internship Program," under the direction of University College, for the period April 6, 1970 through October 31, 1971. (Grant No. OEG-0-70-2017)
16. \$35,345.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for "College Library Resources Program," under the direction of the University Libraries, for the period April 30, 1970 through June 30, 1971. (Grant No. OEG-0-70-6401)
17. \$28,004.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Cardiology - Training Grant," under the direction of the Department of Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 5 T12 HE05786-04)
18. \$27,200.00 supplemental allocation granted by United States Atomic Energy Commission, Washington, D. C., to the University for five graduate-level trainees, under the direction of the Department of Mechanical Engineering (Nuclear Engineering), for the period ending August 31, 1971. (Contract No. AT-(40-1)-3892, Modification No. 1)
19. \$25,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for the preparation of teachers for the trainable mentally retarded, under the direction of the College of Education, for the period June 1, 1970 through August 31, 1971. (Grant No. OEG-0-70-3393)
20. \$24,500.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Residency in General Preventive Medicine," under the direction of the Department of Preventive Medicine, for the period July 1, 1970 through June 30, 1971. (Grant No. 1 A08 AH 00080-01)
21. \$20,000.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for "Special Project Planning Grant in Physical Education and Recreation," under the direction of the School of Physical Education, for the period June 1, 1970 through August 31, 1971. (Grant No. OEG-0-70-3202)
22. \$14,999.00 supplemental allocation by Department of Health, Education and Welfare, Office of Education, Contracts and Grants Division, Washington, D. C., to the University for "Computer Applications to Local ERIC Clearinghouse Document Collections," under the direction of the Center for Vocational and Technical Education, for the period April 15, 1970 through December 31, 1970. (Grant No. OEC-0-70-1214)

June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

23. \$8,685.00 granted by Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bureau of Health Professions Education and Manpower Training, Bethesda, Maryland, to the University for Health Professions Student Loan, under the direction of the Student Financial Aids Office, for the period July 1, 1969 through June 30, 1970. (Grant No. 2 7 45 0430 15 1)
24. \$8,679.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Medical Library Resource Support," under the direction of the University Libraries, for the period March 1, 1970 through February 28, 1971. (Grant No. 5 G01 LM00684-02)
25. \$6,341.00 granted by Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to the University for "Public Health Nursing Traineeship Grant - Public Health Traineeship Program," under the direction of the School of Nursing, for the period July 1, 1970 through June 30, 1971. (Grant No. 2 A05 AH 00537-06)
26. \$3,244.00 granted by Department of Health, Education and Welfare, Office of Education, Washington, D. C., to the University for "College Library Resources Program," under the direction of the University Libraries - Lima Campus, for the period April 30, 1970 through June 30, 1971. (Grant No. OEG-0-70-6402)
27. \$3,200.00 granted by National Science Foundation, Washington, D. C., to the University for purchase of Instructional Scientific Equipment, under the direction of the Department of Geology, for the period July 1, 1970 through July 31, 1972. (GY-7722)
28. \$3,200.00 granted by National Science Foundation, Washington, D. C., to the University for purchase of Instructional Scientific Equipment, under the direction of the Department of Astronomy, for the period July 1, 1970 through July 31, 1972. (GY-7863)

TOTAL - Administered Through the Office of Business and Finance  
\$2,236,410.83

June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund

1. \$16,300.00 from Eli Lilly and Company, Indianapolis, Indiana--  
\$11,300.00 for the Infectious Disease Research Fund and \$5,000.00  
for the Medical Microbiology Research Fund.
2. \$10,500.00 from The Dispatch Printing Company, Columbus, Ohio--  
\$5,425.00 for the School of Journalism Director's Fund, \$4,200.00  
for the Columbus Dispatch Journalism Scholarship Fund and \$925.00  
for the Journalism High School Relations Fund.
3. \$10,500.00 from Charles Pfizer & Company, Inc., New York, New York,  
for the Infectious Disease Research Fund.
4. \$10,062.50 from G. D. Searle & Company, Chicago, Illinois, for the  
G. D. Searle & Company Research in Medicine Fund.
5. \$10,000.00 from N. V. Philips-Duphar, Amsterdam, Netherlands,  
for the Philips-Duphar Research Fund.
6. \$10,000.00 from Union Carbide Corporation, New York, New York--  
\$5,000.00 for the Union Carbide Fellowship in Chemistry and \$5,000.00  
for the Union Carbide Corporation Fellowship in Welding Engineering.
7. \$7,266.25 from Mr. David Cheses, Columbus, Ohio, for the Elvin F.  
Donaldson Fund.
8. \$6,500.00 from Central Ohio Breeding Association--\$3,500.00 for the  
Animal Science Special Fund and \$3,000.00 for the Dairy Science  
Breeding Research Fund.
9. \$5,188.32 from the William H. Dickinson Trust for the Dr. Lucius A.  
Wing Memorial Fund.
10. \$5,000.00 from American Aggregates Corporation, Greenville, Ohio,  
for the Center for Tomorrow Fund.
11. \$5,000.00 from Eighty Maiden Lane Foundation, (In the name of  
Frederick E. Jones), for the Presidents Club Special Fund.
12. \$3,520.00 from the Trust under the Will of Anna Roessler for the  
Samuel J. Roessler Memorial Medical Fund in the College of Medicine.
13. \$3,000.00 from Miss Irene D. Hirsch for the Crime and Delinquency  
Research Fund.

June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

14. \$3,000.00 from Kaiser Aluminum & Chemical Corporation--\$1,000.00 for the Kaiser Aluminum & Chemical Corporation Fellowship and Scholarship Fund in Mechanical Engineering, \$1,000.00 for the Kaiser Aluminum & Chemical Corporation Scholarship Fund in Metallurgical Engineering and \$1,000.00 for the Kaiser Aluminum & Chemical Corporation Scholarship Fund in Industrial Engineering.
15. \$2,500.00 from Chevron Oil Field Research Company, San Francisco, California, for the Chevron Oil Research Fund.
16. \$2,000.00 from Field Enterprises Educational Corporation, Chicago, Illinois, for the Dale Educational Communications Conference Fund.
17. \$2,000.00 from Payne Fund, Inc., (In the name of Frances P. Bolton), for the Dale Educational Communications Conference Fund.
18. \$1,111.15 from the Norman C. Bradish Trust through the University of Wisconsin for the Bradish Memorial Fellowship Fund.
19. \$1,000.00 from the Denman Rubber Manufacturing Company, (In the name of James H. Hoffman), for the University Relations Discretionary Fund.
20. \$1,000.00 from Garwick & Sons, Inc., (In the name of J. Parker Garwick), for the J. Parker Garwick Fund.
21. \$1,000.00 from the Joseph & Helen Skilken Foundation, (In the name of Joseph Skilken), for the Michael Peppe-Carl Wirthwein Scholarship Fund.
22. \$1,000.00 from The Ohio State University Alumni Club of Los Angeles for the Los Angeles County Alumni Scholarship Fund.
23. \$1,000.00 from Tires, Incorporated, (In the name of James H. Hoffman), for the University Relations Discretionary Fund.
24. \$945.00 from the family, colleagues and friends of the late George W. Eckelberry for the establishment of the George W. Eckelberry Memorial Fund.

George W. Eckelberry Memorial Fund

The George W. Eckelberry Memorial Fund was established June 11, 1970, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family, colleagues and friends, in honor of the late George W. Eckelberry, B. A. '14, M. A. '16, Professor of Accounting, Columbus, Ohio.

IV. GRANTS AND GIFTS (continued)

B. Received Through The Ohio State University Development Fund (continued)

24. George W. Eckelberry Memorial Fund (continued)

All gifts are to be invested in the University's Investment Portfolio, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used in support of the academic program in accounting as determined by the Chairman of the Faculty of Accounting and the Dean of the College of Administrative Science. Suggested uses would include student loans, periodicals and books, special lectureships and support of student and faculty research. However, the use of the income is in no way restricted by this enumeration of suggestions.

Should the Faculty of Accounting and/or the College of Administrative Science cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in accounting.

TOTAL - Received Through The Ohio State University Development Fund -  
\$119,393.22

C. Gifts-in-Kind

1. A new pharmacy facility for the Student Health Center from McKesson & Robbins Drug Company, New York, New York.
2. A gas chromatograph plus spare parts from The Battelle Memorial Institute, Columbus, Ohio, for use in the Department of Metallurgical Engineering.
3. A gift of books from Frederick G. Ruffner, Jr., for the University Libraries.

Upon motion of Mr. Shocknessy, seconded by Mr. Dunlap, the acceptance of the foregoing grants and gifts and the establishment of the above named fund were approved by unanimous voice vote, and the Secretary was instructed to include the report in the minutes of this meeting.

June 11, 1970 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund

In April, 1970, the Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,487	\$ 51,904.21
Individuals other than alumni	158	21,174.69
Business concerns	70	114,493.93
Nonprofit organizations	38	54,049.88
	<u>2,753</u>	<u>\$241,622.71</u>

Of these gifts, 1,794 totaling \$23,377.44 were undesignated and 959 totaling \$218,245.27 were designated.

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V. PLANS AND SPECIFICATIONS

At the request of the Vice President for Business and Finance, President Fawcett recommended that the plans and specifications, bills of materials and estimates of cost for the following project be approved by the Board of Trustees:

A. Medical Center Parking Lot at Perry Street and 9th Avenue

This parking lot will provide spaces that were lost when construction of the Medical Center Library began and will also provide parking for the Basic Science Building.

Funds for this project have been provided from Budget Account 921300 (Parking Facilities).

Upon motion of Mr. Safford, seconded by Mr. Harrod, the above recommendation was approved by unanimous roll call vote and the Secretary was authorized and directed to sign the plans and specifications for the above project for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter will be reported to the Board of Trustees at a later meeting.

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June 11, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, bids were taken on the projects listed below and the contracts were recommended for award. The action reported to the Board was as follows:

A. Stadium Artificial Turf

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(3 bids received 4-29-70)		
Marble Cliff Quarries (Columbus)		
Base bid	\$ 75,348.00	\$103,000.00
Alt. G-2 Practice field base:		
1 yr. warranty - 79,800 sq. ft.	<u>82,879.00</u>	<u>80,000.00</u>
Total Contract	<u>\$158,227.00</u>	<u>\$183,000.00</u>
 <u>Artificial Turf Contract</u>		
(3 bids received 4-29-70)		
Monsanto Company (St. Louis)		
Base bid	\$243,388.00	\$247,314.00
Alt. T-3 Practice field turf:		
no warranty - 79,800 sq. ft.	<u>40,491.00</u>	<u>60,000.00</u>
Total Contract	<u>\$283,879.00</u>	<u>\$307,314.00</u>
 Total All Contracts	 <u>\$442,106.00</u>	 <u>\$490,314.00</u>

The above contracts are approved subject to sufficient funds being made available through gifts to the University to defray the total expenses thereof.

B. Hamilton Hall - Replacement of Two Elevators

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(4 bids received 5-25-70)		
Waller and Lund, Inc. (Columbus)	\$ 81,330.00	\$ 96,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

C. Lighting in Mirror Lake Area

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(4 bids received 5-1-70)		
Jess Howard Electric Co. (Columbus)	\$ 15,447.00	\$ 25,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

June 11, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS (continued)

D. McCracken Power Plant - Fuel Oil Storage Addition

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(10 bids received 5-7-70)		
Trapp Construction Co. (Columbus)		
Base bid	\$ 38,420.00	\$ 78,240.00
Alt. G-1 Demolition of railway track and concrete pier	3,100.00	5,000.00
Total Contract	<u>\$ 41,520.00</u>	<u>\$ 83,240.00</u>
<u>Mechanical Contract</u>		
(3 bids received 5-14-70)		
Carlisle Heating & Plumbing (Columbus)		
Base bid	\$ 48,690.00	\$ 52,000.00
Total All Contracts	<u>\$ 90,210.00</u>	<u>\$135,240.00</u>

Funds have been provided for this project by a transfer from Item 235-015 (Ohio Board of Regents - Utilities and Renovation) to Item 315-074 (Utilities and Renovation), H. B. 531.

E. Sisson Hall - Air Conditioning of Animal Holding Areas

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air Conditioning Contract</u>		
(3 bids received 5-21-70)		
Mechanical Specialties (Columbus)		
Base bid	\$ 31,800.00	\$ 33,000.00
Alt. H-1 Temperature controls	577.00	1,500.00
Total Contract	<u>\$ 32,377.00</u>	<u>\$ 34,500.00</u>

Funds for this project have been provided from Budget Account 129290 (College of Veterinary Medicine Improvements Fund).

F. Evans Laboratory Addition - Revisions to Electrical and Ventilating Systems

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(4 bids received 5-26-70)		
The Electric Power Equipment Company (Columbus)		
	\$ 30,226.00	\$ 40,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).



June 11, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS (continued)

G. Ohio Union - Revision of Dishwashing System

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating and Ventilating Contract</u> (3 bids received 5-27-70)		
Eastern Mechanical Corp. (Columbus)	\$ 16,196.00	\$ 20,000.00
<u>Plumbing Contract</u> (3 bids received 5-27-70)		
Eastern Mechanical Corp. (Columbus)	8,778.00	9,500.00
<u>Electrical Contract</u> (4 bids received 5-27-70)		
L. Paul Miller Electric (Lancaster)	<u>3,997.00</u>	<u>5,000.00</u>
<u>Total All Contracts</u>	<u>\$ 28,971.00</u>	<u>\$ 34,500.00</u>

Funds for this project have been provided from the Ohio Union Operating Account.

H. McPherson Chemical Laboratory - Corridor Renovation

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (6 bids received 5-27-70)		
W. F. Daulton Co., Inc. (Columbus)	\$ 34,220.00	\$ 36,900.00
<u>Electrical Contract</u> (5 bids received 5-27-70)		
Reco Electric, Inc. (Gahanna)	<u>2,690.00</u>	<u>5,000.00</u>
<u>Total All Contracts</u>	<u>\$ 36,910.00</u>	<u>\$ 41,900.00</u>

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

I. Buckeye Village - Modernization of Electrical Systems in Phase One Buildings

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (2 bids received 5-22-70)		
The Electric Power Equipment Company (Columbus)	\$ 29,205.00	\$ 68,000.00

Funds for this project have been provided from Budget Account 998295 (Dormitory Contingency Fund).

June 11, 1970 meeting, Board of Trustees

VI. REPORT OF AWARD OF CONTRACTS (continued)

J. Floodlighting of Parking Areas

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (4 bids received 6-2-70)		
Gardner Electric, Inc. (Columbus)	\$ 33,710.00	\$ 37,000.00

Funds for this project have been provided from Budget Account 124358 (Contract Repair).

K. Fire Alarm Systems in Classroom Buildings

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (5 bids received 6-2-70)		
Mid-City Electric Co. (Columbus)	\$ 41,168.00	\$ 45,000.00

Funds for this project have been provided in Budget Account 124358 (Contract Repair 1970-71).

L. Hughes Hall - Electrical Distribution

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (6 bids received 6-2-70)		
Electric Power Equipment Co. (Columbus)	\$ 40,134.00	\$ 50,000.00

Funds for this project have been provided in Budget Account 124358 (Contract Repair 1970-71).

M. Railroad Siding Removal and Site Restoration

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (8 bids received 6-9-70)		
Decker Construction Co. (Columbus)	\$ 58,364.04	\$ 67,300.00

Funds for this project will be provided by the State of Ohio from compensation for properties taken for the new Olentangy River Expressway right-of-way and made available in Budget Account 801211 (Olentangy Freeway Relocation).

Upon motion of Mr. Harrod, seconded by Mr. Safford, the above award of contracts and expenditure of funds were approved and the action of the Vice President for Business and Finance was ratified by unanimous roll call vote.

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June 11, 1970 meeting, Board of Trustees

VII. CONTROLLING BOARD APPROVALS

Each numbered request shown below accomplishes the following purpose:

- 19 Approves the acquisition of property commonly known as 53 and 61 West Eleventh Avenue.
- 20 Approves the acquisition of property commonly known as 65 and 67 West Eleventh Avenue.
- 21 Approves the acquisition of property commonly known as 1616-1618 Hunter Avenue.
- 23 Approves the award of contracts for the project "Ohio Stadium - Artificial Turf" to the low bidders, Marble Cliff Quarries, Columbus, Ohio, and Monsanto Company, St. Louis, Missouri.

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VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Treasurer's Bond - Required by Section 3335.05 Ohio Revised Code

Section 3335.05 of the Ohio Revised Code requires that the Treasurer of The Ohio State University give bond to the State of Ohio in such sum as the Board of Trustees determines.

President Fawcett recommended that the bond of Gordon B. Carson, Treasurer of The Ohio State University, as required by Section 3335.05 of the Ohio Revised Code, be set at \$500,000.00.

Upon motion of Mr. Safford, seconded by Mr. Dunlap, the above recommendation was approved by unanimous roll call vote.

B. Marion Campus, Storm Sewer Easement - Unico Heights Land Company, Inc.

The Unico Heights Land Company, Inc., has requested a storm sewer easement on State of Ohio lands that have been designated for the use of The Ohio State University, Marion Campus. This easement will provide for storm sewer drainage to a 120 acre area serving approximately 280 houses in an area adjacent to the Marion Campus.

The standard easement charge, as calculated by The Ohio Department of Public Works, is \$120 annually. The Unico Heights Land Company, Inc., agrees to pay the \$120 annual easement fee.

It was recommended that the President and/or Vice President for Business and Finance be authorized to request that the Director of Public Works, pursuant to his statutory duties, act on behalf of the University in developing the necessary legal instruments to provide for the storm sewer easement.

Upon motion of Mr. Jones, seconded by Mr. Harrod, the above recommendation was approved by unanimous roll call vote.

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IX. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Linden Forest Edwards, Professor Emeritus in the Department of Anatomy, and Russel Garrett Means, Sr., Professor Emeritus in the Department of Otolaryngology. In accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board will be furnished the families of the deceased.

A. Linden Forest Edwards

The Board of Trustees expresses its sorrow at the death on April 8, 1970, of Linden Forest Edwards, Ph.D., Professor Emeritus in the Department of Anatomy.

Professor Edwards was born in Lewisville, Ohio, on November 25, 1899. He received his secondary school education in the public schools of Lewisville and Reynoldsburg, Ohio. He earned his Bachelor of Arts degree in Zoology from The Ohio State University in 1922 and pursued graduate work while serving as a Graduate Assistant in the Department of Zoology and Entomology. Here he received a Master of Science degree in 1923. Upon completion of his degree he served for three years as an Instructor in the Department of Zoology. In the summers of 1922, 1923 and 1927 he attended the Franz Theodore Stone Laboratory at Put-in-Bay, Ohio, where he continued graduate study and research. From 1925 to 1929 Professor Edwards served as an Instructor of Human Anatomy in the Department of Zoology at the University of Illinois during which time he continued work leading to the Doctor of Philosophy degree. He received his Ph.D. degree from The Ohio State University in 1928. In 1929 Dr. Edwards accepted the position of Assistant Professor in the Department of Anatomy at The Ohio State University College of Medicine. Here he remained to become Associate Professor in 1934 and Professor in 1940. He was Departmental Chairman from 1956 to 1961.

During his career he served on The Ohio State University Faculty Council, Graduate Council and Committee on Honorary degrees. He has been a member of the College of Medicine's Library Committee, Curriculum Committee and Committee on Appointments and Promotions. He also served on the Graduate Committee of the College of Dentistry. He was Chairman of the Committee of Medical History and Archives of The Ohio State Historical Society, President of the Ohio Academy of Medical History, Vice President of the Medical Section of the Ohio Academy of Sciences. He was a member of the American Association of Anatomists, the International Committee for Dental Research, Sigma Xi, the American Association for the History of Medicine and the Columbus Dental Society.

Professor Edwards' research interests were in comparative anatomy, human anatomy and medical history. He contributed many original papers to all these fields, served as an Editor of the Journal of the College of Medicine, Editorial Advisor for The Journal of Prosthetic Dentistry and contributed chapters to several textbooks.

June 11, 1970 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

A. Linden Forest Edwards (continued)

Dr. Edwards loved to teach and had an innate ability to present general principles as well as stuffy details of anatomy in a manner which allowed students to grasp and clearly understand most any difficult region of anatomy. His presentations were dynamic, meaningful and interesting. In 1964 he received the University's Distinguished Teaching Award.

In 1965 after 38 years in the Department of Anatomy, Professor Edwards retired. His major effort following retirement was the third edition of his text Concise Anatomy.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Edwards its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a humble expression of the Board's heartfelt sympathy in its bereavement.

B. Russel Garrett Means, Sr.

The Board of Trustees of The Ohio State University expresses its sorrow at the death on April 25, 1970, of Russel G. Means, Sr., M.D., Professor Emeritus in the Department of Otolaryngology.

Dr. Means was born in Columbus, Ohio, on May 21, 1895. He was graduated from The Ohio State University where he earned two degrees - the Bachelor of Science degree in 1917 and the Doctor of Medicine degree in 1919. From 1918 to 1919 he served as an intern at Mount Carmel Hospital in Columbus. In 1919 he began residency in otolaryngology at the Metropolitan Hospital in New York City. From 1921 to 1922 he was a resident at the Manhattan Eye and Ear Hospital in New York City. He was certified by the American Board of Otolaryngology in 1923. In 1936 he did postgraduate study in otolaryngology in Vienna.

Dr. Means began his practice in otolaryngology in Columbus in 1922. He was on the staffs of Starling Loving (now University Hospital), White Cross, Children's and Mount Carmel Hospitals. In 1940 he served as president of the Columbus Academy of Medicine. He was a co-founder and first president of the Metropolitan Health Council. Dr. Means served as alumni secretary for the Medical College for more than fifteen years and was chairman of the Annual Post Collegiate Medical Assemblies. He served for fifteen years as otologist for the Ohio State School for the Deaf and was director for the Columbus Hearing Society. He served two terms on the Ohio Department of Health Council.

Dr. Means joined the faculty of The Ohio State University College of Medicine as a teaching assistant in otolaryngology in 1922 and served in that capacity until 1927 when he became an instructor in otolaryngology at The Ohio State University. He was acting chairman of the Department of Otolaryngology from 1953 to 1954.

June 11, 1970 meeting, Board of Trustees

IX. RESOLUTIONS IN MEMORIAM (continued)

B. Russel Garrett Means, Sr. (continued)

In 1956 he received The Ohio State University Distinguished Service Award for "having sparked the original drive for The Ohio State University Health Center." In 1948 he was honored with the College of Medicine Alumni Achievement Award. In addition, in 1962 he received another citation from the College of Medicine "...because he was a teacher, physician, civic leader and honored citizen." A bronze plaque engraved to that effect now hangs in Hamilton Hall. In this Centennial Year, Dr. Means was a recipient of a Centennial Award for Distinguished Alumni.

His interest in community activities was equally ambitious. He was a past director of the Columbus Area Chamber of Commerce and the Community Chest. He was a member of the First Community Church, Masonic Bodies, Grange, Sons of the American Revolution and a charter member and third president of the University Club.

On behalf of the University community, the Board of Trustees expresses to the family of Russel Garrett Means, Sr., its deep sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and the University have sustained.

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X. REPORTS

A. Report from the Finance and Investment Committee

1. Resolution Providing for the Issuance of Not Exceeding  
\$4,500,000 Parking System Revenue Notes, Series 1970

The Chairman of the Finance and Investment Committee of the Board of Trustees, Mr. Frederick Jones, made the following statement:

On September 8, 1966, the Board of Trustees passed a Bond Resolution initiating action on Parking System Revenue Bonds in the amount of \$4,500,000.

The first borrowing on this resolution consisted of one-year Parking System Revenue Notes in the amount of \$700,000 and was approved by the Board of Trustees on June 8, 1967.

The second borrowing occurred on June 13, 1968, at which time the borrowing amounted to \$1,700,000 including the refinancing of the previous \$700,000.

The third borrowing occurred on June 12, 1969, at which time the \$1,700,000 previously financed was refinanced for a period of one year.

With the added construction of the parking ramp to serve the Medical Center, it is necessary to borrow the full amount authorized under the Bond Resolution, \$4,500,000, and I, therefore, move the resolution providing for the issuance of \$3,200,000 Parking Revenue System Notes, Series 1970.

RESOLUTION PROVIDING FOR THE ISSUANCE AND AWARD OF NOT EXCEEDING \$4,500,000 PARKING SYSTEM REVENUE NOTES, SERIES 1970, FOR THE PURPOSE OF REFUNDING CERTAIN REVENUE NOTES HERETOFORE ISSUED TO PAY PART OF THE COSTS OF CONSTRUCTING AND EQUIPPING MOTOR VEHICLE PARKING FACILITIES AND TO PAY THE COSTS OF ADDITIONAL MOTOR VEHICLE PARKING FACILITIES AND PROVIDING FOR OTHER MATTERS INCIDENTAL THERETO.

WHEREAS, the Board of Trustees of The Ohio State University (herein called the "Board") is vested with the government of The Ohio State University (herein called the "University" and, when the context admits, collectively with the Board called the "University") under and by virtue of Section 3335.02 of the Revised Code of Ohio, with the right, under Section 3335.03 of said Revised Code, and as such Board, of suing and being sued, contracting and being contracted with, and of making and using a common seal and, under Section 3335.10 of said Revised Code, has general supervision of all lands, buildings, and other property of the University and control of all expenses thereof; and by Chapter 3335 of the Revised Code of Ohio; and

X. REPORTS (continued)

A. Report from the Finance and Investment Committee (continued)

1. Resolution Providing for the Issuance of Not Exceeding  
\$4,500,000 Parking System Revenue Notes, Series 1970 (continued)

WHEREAS, by authority of Sections 3345.11 and 3345.12 of the Revised Code of Ohio, the Board is authorized to, among other things to construct and equip motor vehicle parking facilities; and for the purpose of paying all or part of the costs thereof the Board is further authorized to issue and sell obligations in the manner provided by and subject to the applicable provisions of Section 3345.12, Ohio Revised Code;

WHEREAS, the Board has previously determined, and does hereby confirm that it is necessary to provide additional motor vehicle parking facilities and, accordingly, that it is necessary to construct and equip additional motor vehicle parking facilities within or in close proximity to its campus, including three multi-level parking structures, for the parking of approximately 2,250 motor vehicles (being herein called the "Project"), the cost of which is presently estimated to be \$4,500,000; and

WHEREAS, the University proposes to borrow funds to pay the costs of constructing and equipping the Project, and for such purpose, to issue its Parking System Revenue Bonds (hereinafter called the "Project Bonds"), Series A, in the principal amount of \$4,500,000, pursuant to the laws of the State of Ohio and resolutions, including Resolution adopted by the Board on September 8, 1966, authorizing said Project Bond (which resolution is, as the same may be amended, supplemented or superseded, hereinafter called the "Bond Resolution"); and

WHEREAS, to provide for the refunding of prior notes issued for, and the proceeds of which were applied to, the interim construction financing for part of the costs of the Project prior to the issuance and delivery of the Project Bonds, the University has issued and there is outstanding its Parking System Revenue Note, Series 1969 in the amount of \$1,700,000 (hereinafter called the "Outstanding Note"); and

WHEREAS, the University hereby determines to borrow \$2,800,000 of Funds to pay part of the costs of additional motor vehicle parking facilities; and

WHEREAS, there has been submitted the following proposals for the purchase of said notes at 100% of par and at the designated interest rate:

<u>Original Purchaser</u> <u>(herein referred to as such)</u>	<u>Principal</u> <u>Amount</u>	<u>Interest</u> <u>Rate</u>
Huntington National Bank of Columbus	\$1,000,000.00	5.50%
City National Bank & Trust Co.	500,000.00	6.125%
	500,000.00	6.25%
	500,000.00	6.375%
	700,000.00	6.5%



X. REPORTS (continued)

A. Report from the Finance and Investment Committee (continued)

1. Resolution Providing for the Issuance of Not Exceeding \$4,500,000 Parking System Revenue Notes, Series 1970 (continued)

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of The Ohio State University:

Section 1. It is hereby confirmed and declared that it is necessary to construct and equip the Project, and to issue, and that there shall be issued, notes in the aggregate principal sum of \$4,500,000 pursuant to Sections 3345.11 and 3345.12 of the Revised Code of Ohio, for the purpose of refunding the Outstanding Note issued and delivered to pay part of the costs of the Project and to provide additional interim construction financing to pay the balance of the costs of the Project.

Section 2. The principal of and interest on such notes, and such additional notes as may be issued to pay part of the costs of the Project shall be payable solely from (a) the "Pledged Receipts" after provision for "Operating and Maintenance Expenses," if any, of the "Pledged Facilities," and all payments required to be made, from time to time from said "Pledged Receipts" into the "Special Funds" created under the Bond Resolution subject to the pledge thereof to the bonds authorized by the Bond Resolution upon the issuance of said Bonds; and (b) the proceeds of the sale of revenue bonds or notes of the University issued pursuant to Sections 3345.11 and 3345.12 of the Revised Code of Ohio, or other authorizing provisions of law, to refund the Notes authorized hereby; provided that neither the State of Ohio nor the University, nor its Board of Trustees shall be obligated to pay the principal of or interest on such notes from any other funds or source, nor shall such notes be a claim upon or lien against any other property of the University or the State of Ohio, and said notes are not general obligations of the State or University, and the full faith and credit there are not pledged thereto, and the noteholders shall have no right to have any taxes levied, collected or applied for or to the payment thereof.

In consideration of the loan evidenced by the notes authorized hereby, the University and its Board covenant and agree that they will do all things necessary to effect the issuance of and delivery, prior to the maturity of such notes, of revenue bonds or notes for the refunding of the Notes, pursuant to Sections 3345.11 and 3345.12 of the Revised Code of Ohio or other authorizing provisions of law, in such principal amount as shall be necessary to pay the principal of and interest on such notes, that they will do all things necessary to sell such bonds or notes at the time provided above and will accept such price and such interest rate as shall be necessary in order to effect such sale, and these obligations are established as duties specifically enjoined by law upon the University and its officers, and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio. The University covenants that proceeds of said Notes shall not be invested or used in such manner that any of said Notes would be "arbitrage bonds" for purposes of Section 103 (d)(1) of the Internal Revenue Code of 1954.

X. REPORTS (continued)

A. Report from the Finance and Investment Committee (continued)

1. Resolution Providing for the Issuance of Not Exceeding  
\$4,500,000 Parking System Revenue Notes, Series 1970 (continued)

Section 3. Said notes shall be designated "Parking System Notes, Series 1970," shall be dated June 26, 1970, and shall mature June 25, 1971. Said notes shall bear interest at the rates specified in Section 4 hereof, payable semi-annually, or at maturity as requested by the Original Purchaser. Said notes shall be in denominations of \$5,000 or any multiple thereof, as bearer notes with or without coupons, or may be represented by a single note for the entire issue, as may be requested by the Original Purchaser, and shall be numbered as determined by the Vice President, Business and Finance or the Assistant Treasurer. Said notes shall be payable at the office of the Original Purchaser, or at such other place as he may designate, and shall be signed by the President or the Vice President, Business and Finance, one of which may be a facsimile, attested by the Secretary of the Board, and the coupons, if any, pertaining thereto shall be signed by or bear the facsimile signature of said Vice President, Business and Finance or the Assistant Treasurer, and the notes shall bear the seal of the University or facsimile thereof.

If agreeable to the Original Purchaser, prior to delivery of the definitive notes, said notes may be delivered as one or more temporary manuscript notes to be surrendered to the University at the principal office of the paying agent when the University shall notify the holder thereof that the definitive notes are available. The definitive notes shall be substantially in the form attached hereto as Exhibit A, page 566, the terms and covenants of which are incorporated herein, with such modifications therein as may be appropriate for issuance of the notes herein or other unregistered form, with or without coupons or to reflect the terms of the sale thereof consistent with this resolution and with such changes therein, not substantially adverse to the University, as the President or the Vice President, Business and Finance, may approve.

If the owner (in this paragraph called the "owner") of a note issued pursuant to this Resolution claims that such note has been lost, destroyed, or wrongfully taken, the Vice President, Business and Finance, or the Assistant Treasurer of the University are each authorized to cause to be executed and delivered a new note (in this paragraph called the "replacement note") of like tenor and date (specifying on its face, however, that it is issued in place of the original note) in place of the original note, in accordance with and subject to the provisions of Section 1308.35 of the Revised Code of Ohio and of this paragraph. The owner's notification and request pursuant to said Section 1308.35 shall be in writing, addressed to the Vice President, Business and Finance, or Assistant Treasurer of the University, and shall include evidence satisfactory to said Vice President or Assistant Treasurer of such loss, destruction, or wrongful taking and of his ownership. The Vice President, Business and Finance, or in his absence the Assistant Treasurer of the University, is authorized to approve, so long as satisfactory to such officer, the indemnity bond that the owner shall file with the University as a condition to the issuance of a replacement note, and

X. REPORTS (continued)

A. Report from the Finance and Investment Committee (continued)

1. Resolution Providing for the Issuance of Not Exceeding \$4,500,000 Parking System Revenue Notes, Series 1970 (continued)

is further authorized to impose other reasonable requirements, including a requirement that the owner pay the reasonable expenses and charges of the University in connection with the issuance, execution and delivery of such replacement note, as conditions to the delivery of a replacement note.

Section 4. Said notes are hereby awarded at par and under the terms aforesaid as follows in accordance with the aforesaid proposals to purchase said notes and this resolution:

<u>Original Purchaser</u>	<u>Principal Amount</u>	<u>Interest Rate</u>
Huntington National Bank of Columbus	\$1,000,000.00	5.50%
City National Bank & Trust Co.	500,000.00	6.125%
	500,000.00	6.25%
	500,000.00	6.375%
	<u>700,000.00</u>	6.5%
	\$3,200,000.00	

The President, the Vice President, Business and Finance, and the Assistant Treasurer are each hereby authorized and directed to do all things necessary for the delivery of said notes in accordance with said award and this resolution.

Section 5. The Vice President, Business and Finance, or the Assistant Treasurer of the University is hereby authorized and directed to apply such portion of the proceeds of the 1970 Notes promptly to the payment and discharge of the Outstanding Notes and apply to the payment of interest on said outstanding note such amount from the Construction Fund for the Project or from other funds available therefor, and the balance of such proceeds be deposited into the Construction Fund for the Project and applied to the payment of the costs of the Project.

Upon motion of Mr. Jones, seconded by Mr. Shocknessy, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

EXHIBIT A

UNITED STATES OF AMERICA

STATE OF OHIO

THE OHIO STATE UNIVERSITY  
PARKING SYSTEM REVENUE NOTES, SERIES 1970

No. \_\_\_\_\_ \$ \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS that THE OHIO STATE UNIVERSITY and its Board of Trustees (herein collectively called the University), for value received, hereby promise to pay, solely from the sources hereinafter set forth, to \_\_\_\_\_ of \_\_\_\_\_,

DOLLARS

on the 25th day of June, 1971, provided that the University reserves the right to make prepayment of said principal sum at any time without penalty or premium, at par plus accrued interest to the date of prepayment, and to pay, solely from said sources, interest thereon from the date hereof at the rate of \_\_\_\_\_ per cent ( \_\_\_\_\_ %) per annum until payment of such principal sum has been made or provided for. The principal sum and interest thereon are payable in lawful money of the United States at the principal office of \_\_\_\_\_ of \_\_\_\_\_ without deduction for its services as the University's paying agent, upon presentation and surrender of this note. The interest on this note and the principal hereof are payable solely from (a) the "Pledged Receipts" after provision for "Operating and Maintenance Expenses," if any, of the "Pledged Facilities" and all payments required to be made, from time to time, from said "Pledged Receipts" into the "Special Funds" created by the Bond Resolution, identified below, as such terms are defined in the Bond Resolution subject to the pledge thereof to the bonds authorized by said Bond Resolution upon the issuance of said Bonds; and (b) the proceeds of the sale of revenue bonds or notes issued pursuant to Sections 3345.11 and 3345.12 of the Revised Code of Ohio or other authorizing provisions of law to refund this note; and neither the State of Ohio nor the University or its Board of Trustees is obligated to pay the same from any other funds or source, nor shall this note be a claim upon or lien against any other property of the State or the University, and the full faith and credit thereof are not pledged thereto and the noteholders shall have no right to have any taxes levied, collected or applied for or to the payment hereof. The aforesaid Bond Resolution is the Resolution adopted by the Board of Trustees September 8, 1966, authorizing the issuance of \$4,500,000 principal amount of parking system revenue bonds, as such Resolution may be amended, supplemented or superseded.

This note is one of a duly authorized series of notes of like tenor and effect, except as to \_\_\_\_\_, issued for the purpose of refunding \$1,700,000 principal amount of The Ohio State University Parking System Revenue Notes, Series 1969, dated June 27, 1969, issued and delivered to pay part of the cost of constructing and equipping certain motor vehicle parking facilities within or in close proximity to its campus, including three multi-level parking structures for the parking of approximately 2,250 motor vehicles and to provide moneys to pay the balance of such costs, under authority of, pursuant to and in full compliance with the general laws of the State of Ohio, particularly Sections 3345.11 and 3345.12 of the Revised Code, and pursuant to a Resolution of the Board of Trustees of said University duly adopted on the 11th day of June, 1969.

June 11, 1970 meeting, Board of Trustees

- 2 -

In consideration of the loan evidenced by this note, the University and its Board of Trustees covenant and agree that they will do all things necessary to effect the issuance of and delivery, prior to the maturity of this note, of revenue bonds or notes for the refunding of this note, pursuant to Sections 3345.11 and 3345.12 of the Revised Code of Ohio, or other authorizing provision of law, in such principal amount as shall be necessary to pay the principal of and interest on this note, that they will do all things necessary to sell such bonds or notes at the time provided above and will accept such price and such interest rate as shall be necessary in order to effect such sale, and these obligations are established as duties specifically enjoined by law upon the University, its trustees and officers, and result from their respective offices, trusts or stations within the meaning of Section 2731.01 of the Revised Code of Ohio.

This note is executed on behalf of said Board of Trustees of The Ohio State University solely in their capacity as such Trustees and shall not constitute their personal obligation, either jointly or severally, in their individual capacities.

AND IT IS HEREBY CERTIFIED AND RECITED, that all acts, conditions and things necessary to be done precedent to and in the issuance of this note, in order to make it a legal, valid and binding obligation of said University and its Board of Trustees, have happened, been done and performed in regular and due form as required by law.

IN WITNESS WHEREOF, The Ohio State University and its Board of Trustees, jointly and severally, have caused this note to be signed on their behalf by the Vice President, Business and Finance, of the University, and to be attested by the Secretary of the Board of Trustees of said University, as of the 26th day of June, 1970.

THE OHIO STATE UNIVERSITY  
and  
THE BOARD OF TRUSTEES OF  
THE OHIO STATE UNIVERSITY

By \_\_\_\_\_  
Vice President, Business and  
Finance of The Ohio State University

Attest: \_\_\_\_\_  
Secretary of the Board of  
Trustees

[S E A L]

June 11, 1970 meeting, Board of Trustees

X. REPORTS (continued)

B. Report on the University's Investment Portfolio

The report dated June 10, 1970, as submitted to the Finance and Investment Committee of the Board of Trustees by Vice President Gordon B. Carson pertaining to the University's Investment Portfolio, was received and ordered to be filed with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Thursday, July 9, 1970, at The Ohio State University, Columbus, Ohio, at 10:30 a.m.

Attest:

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Edward Q. Moulton  
Secretary

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John G. Ketterer  
Chairman



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APPENDIX VIII

Degrees Conferred at

THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION

June 12, 1970



## The Recipients of Honors

### RICHARD BRADFIELD

#### Doctor of Science

*Distinguished international soil scientist and imaginative leader in research, whose achievements have brought him world-wide recognition*

The leadership of Richard Bradfield in applying the basic principles of chemistry and physics to the science of soils makes him a symbol of America's contribution to the global search for freedom from hunger. His unusual ability to apply the scientific method to agricultural problems earned him the respect of soil scientists and physical and colloidal chemists, while his achievements in the colloidal chemistry of soils were rewarded with a Gugenheim Fellowship for study at the Kaiser Wilhelm Institute in Berlin.

Reared on a farm in Madison County, Ohio, he majored in chemistry for the A.B. degree at Otterbein College and received the first Ph.D. awarded by The Ohio State University in the field of soils.

As a teacher he inspired students to greater heights of creativity and productivity, and they have achieved major national and world positions of leadership in agriculture. Dr. Bradfield has served with distinction as Professor of Soils at the University of Missouri, Professor of Agronomy at The Ohio State University, and Head of the Department of Agronomy at Cornell University, where the new agronomy building has been dedicated Bradfield Hall in his honor.

Dr. Bradfield served as a member of the board of trustees of the Rockefeller Foundation, and was one of three stellar scientists who laid the groundwork for the agricultural revolution in Mexico. The principles inaugurated in Mexico and described by Dr. Bradfield and his colleagues in their book, *Campaigns Against Hunger*, have become the basis of the green revolution in India, Pakistan, and the Philippines. Dr. Bradfield's procedures for rice production in the Philippines promise revolutionary changes in the culture of Southeast Asia's major food crop.

His professional colleagues have recognized his leadership by electing him president of the Soil Science Society of America, the American Society of Agronomy, and the International Society of Soil Science. Otterbein College conferred upon him the honorary degree, Doctor of Science.

The Ohio State University is proud to honor this distinguished alumnus and former faculty member who exemplifies the ultimate in professional excellence.

### HENRY STEELE COMMAGER

#### Doctor of Letters

*Eminent historian, interpreter of the American heritage, and exponent of freedom, equality, loyalty, and dissent*

Henry Steele Commager, a distinguished and productive scholar, has written and edited works on American intellectual, political, and constitutional history, biographies, anthologies, and essays on contemporary problems. His writings, esteemed by fellow historians, have won wide popular audiences in this country and abroad. He has attempted to put present issues in historical perspective and has not hesitated to speak vigorously and cogently in support or condemnation of public policies in domestic and foreign affairs.

Henry Commager's ancestors were among the pioneer settlers of Ohio. Born in Pittsburgh, Pennsylvania, in 1902, he spent part of his youth in Toledo. He took bachelor's, master's, and Ph.D. degrees at the University of Chicago, receiving the doctorate in 1928. In a professorial career spanning more than four decades, Dr. Commager has taught at New York University, Columbia University, and Amherst College and has held appointments at major universities in Europe and the Americas. Devoted students in all parts of the country testify to his dedication to and effectiveness in the art of teaching.

*The Growth of the American Republic*, which Professor Commager wrote in collaboration with Samuel Eliot Morison, has elevated standards of college instruction in American history. Commager's *Documents of American History* makes fundamental sources available to teachers and students at every academic level. His provocative study, *The American Mind*, has influenced teaching and stimulated research in American intellectual history.

As one of the general editors of the *New American Nation* series, he is responsible for one of the most ambitious undertakings in contemporary historical scholarship.

Henry Steele Commager has sought to discover and reveal the characteristics and meaning of American civilization. In a troubled, uncertain era he has been an eloquent spokesman of democratic and humane values and a courageous defender of freedom of inquiry.

The Ohio State University takes pride in recognizing Dr. Commager's services to his profession and to his country.

**PAUL J. FLORY**  
Doctor of Science

*Pioneering and continuously productive student of the macromolecular realm, whose service to science is of rare distinction*

The great importance of his scientific specialty, the study of polymeric and macromolecular substances, and his massive contribution to it, have combined to make Paul J. Flory an internationally renowned and honored scholar.

Dr. Flory received the B.S. degree from Manchester College and the M.S. and Ph.D. degrees from The Ohio State University. From 1934 to 1948 he was successively a research chemist at E. I. du Pont de Nemours, a research associate at the University of Cincinnati, a research chemist with Standard Oil of New Jersey, and a section head in the laboratories of the Goodyear Tire and Rubber Company. In 1948 he left industry to become, in turn, Professor of Chemistry at Cornell, Executive Director of Research at the Mellon Institute, and Professor of Chemistry at Stanford where, in 1965, he was named the first Jackson-Wood Professor of Chemistry.

Dr. Flory has pioneered in research on the constitution and properties of macromolecules, including their formation via polymerization and their physical and thermodynamic properties. His investigations have included theoretical and experimental studies and have employed the methods of statistical mechanics in developing generic characterizations of the physical chemistry of macromolecules.

His research has been reported in more than two hundred scientific papers and two books which he has written or for which he has served as co-author. Dr. Flory's *Principles of Polymer Chemistry* has been referred to as "the fundamental polymer textbook for industry," and his *Configuration of Chain Molecules* has contributed significantly to the understanding of molecular structure. Formal recognition of his stature has come many times in the honors bestowed upon him by his fellow chemists and scientific colleagues, both in this country and abroad. A member of the National Academy of Sciences, Dr. Flory has received the Colwyn Medal of the Institution of the Rubber Industry, the International Award in Plastics and Science Engineering of the Society of Plastics Engineers, and the High Polymer Physics Prize of the American Physical Society. In 1945, Dr. Flory was the recipient of the Joseph Sullivant Medal of The Ohio State University for outstanding contributions to his profession and his alma mater.

This University takes pride in recognizing the pre-eminent contributions of Paul J. Flory by conferring upon him the honorary degree, Doctor of Science.

**THOMAS CARLYLE JONES**  
Doctor of Science

*Veterinary scientist who has contributed immeasurably to the health of animals and man through innovative educational methods*

Scholarly productivity and administrative ability give Dr. Thomas Carlyle Jones a pre-eminent position in veterinary medicine today. His achievements in pathology were recognized internationally in March, 1970, when he was installed as president of the International Academy of Pathology.

He received his undergraduate and professional education at Washington State University and was graduated with highest honors. One of his early major accomplishments was the establishment of veterinary pathology as a modern functional discipline through his studies and discoveries on a wide variety of animal disease problems.

While at the Walter Reed Army Medical Center, Dr. Jones started the Section of Veterinary Pathology as part of the Armed Forces Institute of Pathology and developed an advanced training program which continues today as the model of professional educational methods. He conceived and organized the first specialty board in the veterinary medical profession, the American College of Veterinary Pathologists. Serving for ten years as executive secretary and later as president of that organization, Dr. Jones was instrumental in establishing standards and organizational structure which have served as the basis for the development of all veterinary medical specialties.

Through his service as chairman of the Advisory Board on Veterinary Medical Specialties of the American Veterinary Medical Association, Dr. Jones has guided the formation of all veterinary medical specialty organizations. The culmination of his efforts to develop veterinary pathology was his publication of a textbook on veterinary pathology which has been acclaimed as the classic in its field.

Dr. Jones' career also has produced important contributions to comparative pathology. In 1957, he was appointed Director of Pathology at Angell Memorial Animal Hospital, associate clinical professor of pathology at Harvard Medical School, and associate director of the New England Regional Primate Center where he has had wide influence in stimulating comparative studies on animal models of human diseases.

The Ohio State University is proud to honor a man whose leadership has greatly enhanced veterinary medicine as a modern medical science and furthered the advancement of the health of animals and man.

## J. WALTER SEVERINGHAUS

### Doctor of Humane Letters

*Noted architect and designer of leading contemporary buildings, whose professional excellence enhances man's constructed environment*

A constant consideration for man in a man-planned environment characterizes the innovation in humanistic architecture of J. Walter Severinghaus and has earned international respect and admiration for his work.

Mr. Severinghaus was graduated Phi Beta Kappa from Ohio Wesleyan University and with highest honors in architecture from The Ohio State University. In 1937 he joined the firm of Skidmore, Owings and Merrill in New York, where he advanced rapidly to become a senior partner in 1949.

In 1960 he was elected a Fellow of the American Institute of Architects, in recognition of excellence in architectural design—an honor accorded less than one per cent of all architects in the United States. In 1963 he was honored as a Distinguished Alumnus of The Ohio State University's College of Engineering.

His architectural firm has achieved a world-wide reputation for excellence. Assignment of high priority to human values characterizes every SOM project, regardless of its scope or complexity. Prompted originally by declining resources of skilled labor in many areas of the construction industry, this firm has utilized the capabilities of modern American technology in mass production, on-site assembly, and in adaptation to the skills available. The senior partners and project architects have been identified prominently in a long series of citations awarded to their firm by representatives of the public at large, the clients, and the profession of architecture.

Among the many outstanding structures designed by Mr. Severinghaus are the facilities for United States airfields in Morocco, buildings for the Ford Motor Company in Dearborn, the International Arrivals Building and the United Airlines Terminal in New York, the First City National Bank in Houston, and the Chase Manhattan Bank in New York. His latest project is the New York Stock Exchange, now in the final design stage.

At a time when man's total surroundings are subjected to ever closer scrutiny and evaluation, this University is proud to honor a distinguished architect whose completed buildings add beauty, utility, and order to America's constructed environment.

## JAMES A. SHANNON

### Doctor of Science

*Distinguished physician, under whose leadership the National Institutes of Health became a major national resource for the support of medical education and research*

The "Shannon Era" has already become legendary in the history of biomedical research in the United States. By application of his many abilities in the practical political world, James A. Shannon was able to guide the development of the National Institutes of Health into the remarkable program to which our Nation owes so much.

A graduate of the College of the Holy Cross, he received his M.D. and Ph.D. from New York University. Dr. Shannon has contributed substantially, as physiologist and later as a clinician, to our knowledge about the kidney, and during World War II, to our knowledge of malaria, a major health hazard to our armed forces.

He went to Washington, D.C., in the early days of the National Institutes of Health, first as Associate Director of the National Heart Institute in charge of research. Later he became Associate Director of the National Institutes of Health, and from 1955 until 1968, he served as Director.

Under his direction, the program expanded massively through grants to universities, through fellowships, and through a variety of collaborative efforts. Scientific developments, such as drug therapy for high blood pressure, vaccination for poliomyelitis, modern cardiovascular surgery, and a whole new era of clinical medicine occurred. With the support of NIH programs, the medical schools of this country became the modern medical centers of today.

Under Dr. Shannon's direction, the National Institutes of Health maintained a steady course of progress and developed a long-term program which brought medicine, dentistry, nursing, veterinary medicine, pharmacy, and other biological and scientific fields into a coalition for health. The impact of this program has been felt directly by every academic medical center, medical student, and physician in the United States. The rapid development of bio-engineering on the Ohio State campus is a case in point.

Through Dr. Shannon's medical and administrative ability, combined with creative and resourceful planning, a great contribution of major proportions was made toward the broad goal of truly scientific medicine and better health care for the citizens of the United States. The Ohio State University is proud to honor Dr. James A. Shannon for his unique contributions to medical education and research.

## S. FRED SINGER

### Doctor of Science

*Eminent scientist, educator, author, and public servant, whose fundamental contributions to the physical sciences have won international acclaim*

Starting as an experimentalist and gradually shifting into theoretical areas, S. Fred Singer has fashioned a career highlighted by innovations in pioneering endeavors. He has followed his scientific interests into many different areas of geophysics, and his contributions to each have been substantial, often generating further research.

Born in Vienna, Austria, in 1924, he received the Bachelor of Electrical Engineering degree from The Ohio State University in 1943, the A.M. from Princeton in 1944, and the Ph.D. in physics in 1948 from Princeton. Since 1946, Dr. Singer's positions have covered a wide spectrum of academic endeavors and public service.

From 1946 to 1950 he was a physicist at the Applied Physics Laboratory of Johns Hopkins University where he engaged in high altitude research using balloons and high altitude research rockets. Under his direction, physical phenomena which had been previously inaccessible were first brought within the scope of measurement.

Later, holding high-level government and academic positions, he made numerous fundamental contributions in such diverse areas as relativity theory, the origin and age of meteorites, properties of interplanetary dust, moon surface composition, primary cosmic rays, ionospheric currents, magnetic storms and aurorae, and radiation-belt theory.

While serving as first director of the National Weather Satellite Center, Dr. Singer was instrumental in the development of the TIROS meteorological satellite. He has served as Professor and Dean of the School of Environmental and Planetary Sciences at the University of Miami and is presently the U.S. Deputy Assistant Secretary of the Interior for Scientific Programs. Dr. Singer has received numerous honors for his pioneering research, including a Special Commendation from President Eisenhower for outstanding achievement in the development of satellites for scientific purposes and the first Astronautics Medal of the British Interplanetary Society.

The University is proud to honor a distinguished scientist whose brilliant insight has shed light upon many areas of man's knowledge of the universe.

## Graduate School

Dean: Richard Armitage, Ph.D.

### Doctor of Philosophy

One hundred and forty-eight candidates

Sue Clark Alexander, Columbus  
A.B. (Stanford University); A.M. (University of Michigan)  
*Dissertation*: An Axiomatic Representation of Festinger's Theory of Cognitive Dissonance: An End and a Beginning  
*Field of Specialization*: Sociology

Gladys Mary Anderson, Dayton  
B.S.Ed. (Ball State University); A.M. (Indiana University)  
*Dissertation*: Personality Characteristics of Aspiring Teachers and Experienced Teachers: A Discriminant Analysis  
*Field of Specialization*: Psychology

Osiefield Anderson, Tallahassee, Fla.  
B.S. (Fort Valley State College); M.S. (Atlanta University)  
*Dissertation*: The Role of Counterexamples in a First Course in Calculus  
*Field of Specialization*: Education

Lee Alan Becker, Minneapolis, Minn.  
B.A. (University of Minnesota)  
*Dissertation*: Component Response Characteristics in Impression Formation  
*Field of Specialization*: Psychology

Garry Robert Bice, Heuvelton, N. Y.  
B.S., M.S. (Cornell University)  
*Dissertation*: The Relationship of Group Structural Properties and Communication Behavior Patterns to Opinion Leadership Among Teachers  
*Field of Specialization*: Agricultural Education

Edwin David Bickel, Louisville, Ky.  
B.A., M.S. (University of Louisville)  
*Dissertation*: Pleistocene Non-Marine Mollusca of the Gatineau Valley and Ottawa Area of Quebec and Ontario, Canada  
*Field of Specialization*: Geology

John Edward Bielenberg, Vestal, N. Y.  
B.S. (Carroll College, Wisconsin); M.A. (Northwestern University)  
*Dissertation*: Scene Design at the Comedie-Francaise 1901-1920  
*Field of Specialization*: Theatre

James Ronald Blaker, Laurel, Md.  
A.B. (University of Michigan)  
*Dissertation*: The Chinese in the Philippines: A Study of Power and Change  
*Field of Specialization*: Political Science

Robert Leland Bottemiller, Portland, Ore.  
B.S. (Math.), B.S. (Physics) (University of Portland)  
*Dissertation*: A Study of Intrinsic Polarization in Be Stars  
*Field of Specialization*: Astronomy

Jerome Randolph Brandon, Kingsland, Ga.  
B.S. Chem. (University of Georgia)  
*Dissertation*: Solvent Effects on the Kinetics of Electron and Proton Transfer Reactions of Aromatic Radical Anions  
*Field of Specialization*: Chemistry

John Arnold Budny, Chicago, Ill.  
B.S. (Lewis College)  
*Dissertation*: An *IN VIVO* and *In Vitro* Metabolic Comparison of the Linoleate and Palmitoleate Families of Polyunsaturated Fatty Acids  
*Field of Specialization*: Physiological Chemistry

Wesley M. Burnside, Provo, Utah  
B.S., M.S. (Brigham Young University)  
*Dissertation*: Maynard Dixon: Artist of the West  
*Field of Specialization*: Art

Elsie Carter Burton, Rupert, Idaho  
B.S. (P.E.) (University of Colorado); M.S. (P.E.) (University of Washington)  
*Dissertation*: State and Trait Anxiety, Achievement Motivation and Skill Attainment in College Women  
*Field of Specialization*: Physical Education

Ann Cali, Fort Pierce, Fla.  
B.S. (University of Florida); M.S.  
*Dissertation*: A Fine-Structural Study of *Nosema Apis* Zander (Microsporidia: Cnidospora: Protozoa)  
*Field of Specialization*: Zoology and Entomology

Dean C. Cannon, Columbus  
B. S., M.S. (Indiana State Teachers College)  
*Dissertation*: The Subcommittee on Television of the North Central Association—A History  
*Field of Specialization*: Speech

Edward Cardona, New York, N. Y.  
B.S. (City College, New York); M.S.  
*Dissertation*: Chronic Lead Poisoning: Time Course of Hematologic and Metabolic Changes in Rats  
*Field of Specialization*: Physiology

Lenora Marie Carmody, Grand Rapids, Mich.  
B.A. (Aquinas College); A.M. (University of Illinois)  
*Dissertation*: A Theoretical and Experimental Investigation into the Role of Concrete and Semi-Concrete Materials in Instruction in the Teaching of Elementary Mathematics  
*Field of Specialization*: Education

James Clinton Carpenter, Durham, N. C.  
A.B. (Duke University); M.A.  
*Dissertation*: Patterns of Self-Disclosure and Confirmation in Mother-Daughter Communication  
*Field of Specialization*: Psychology

Clive Lawrence Carrel, Hampton, Victoria, Australia  
B.Sc., B.A. (University of Melbourne)  
*Dissertation*: *Color in the Bellum Gallicum*  
*Field of Specialization*: Classics

Ashok Kumar Choudhery, New Delhi, India  
B.Sc. (Sardar Vallabhbhai Vidyapeeth); M.S.  
*Dissertation:* The Protease Enzyme System of *Bacillus Cereus*  
*Field of Specialization:* Dairy Technology

Norman James Clary, Berea  
B.A., M.A.  
*Dissertation:* French Antisemitism during the Years of Drumont and Dreyfus, 1886-1906  
*Field of Specialization:* History

Ronald John Clifton, Chardon  
A.B.Educ. (Glenville State College); M.A. (Marshall University)  
*Dissertation:* The Functioning Secondary School Counselor as Perceived by Vocational Teachers in Ohio  
*Field of Specialization:* Education

Charles Paul Connolly, Jr., Ames, Ia.  
A.B. (University of Dayton); M.A. (Ohio University)  
*Dissertation:* An Experimental Investigation of the Application of Empirical Program Development Procedure to Instructional Television Programs on Creative Problem Solving  
*Field of Specialization:* Speech

Alma Grace Cremer, Columbus  
B.S. (University of California at Los Angeles); M.A.  
*Dissertation:* Relationships Between Body Size Estimates, Body Image Boundaries and Health Practices in Preadolescents  
*Field of Specialization:* Physical Education (Health Education)

Kenneth Charles Daiker, Cincinnati  
B.S. (University of Cincinnati); M.S.  
*Dissertation:* Evaluation of Quantum Integrals in the Momentum Representation by a Geometric Series Expansion Method  
*Field of Specialization:* Chemistry

David Ray Davis, Amlin  
B.S. in Agr., M.S.  
*Dissertation:* Some Effects of Cold Temperature Exposure of Rats on Aspartate Aminotransferase and Alanine Aminotransferase Levels in Plasma, Liver and Muscle Tissues  
*Field of Specialization:* Dairy Science

Gary Warren Davis, Highland  
D.V.M., M.S.  
*Dissertation:* Experimental Parenteral and Aerosol Transmission of Adenovirus-12 in Hamsters  
*Field of Specialization:* Veterinary Pathology

James Keith Davis, Wilmington  
B.S. in Agr., M.S. (University of Georgia)  
*Dissertation:* Efficacy of Lincomycin of Rate, Efficiency and Composition of Growth, Incidence of Liver Abscesses, and Rumen pH when Fed Separately and in Combination with Diethylstilbestrol of Beef Heifers  
*Field of Specialization:* Animal Science

Ruth Meredith Davis, Parsons, W. Va.  
B.S. in Ed., M.Ed. (Bowling Green State University)  
*Dissertation:* The Relations Between Body Image Boundary and Physical Fitness in Children from a Trainable Program for Mental Retardates  
*Field of Specialization:* Physical Education

\* In cooperation with Miami University

George Edward Deitz, Alden, N. Y.  
B.A. (Psych), M.A. (Psych) (San Jose State College)  
*Dissertation:* The Development of Self-Concept During Adolescence and its Relationship to Adjustment  
*Field of Specialization:* Psychology

Vincent Louis Donlan, Dayton  
S.B. (Massachusetts Institute of Technology)  
*Dissertation:* Two Particle Fractional Parentage Coefficients and Their Application to Atomic Spectra  
*Field of Specialization:* Physics

Julie Yi-Fang Tsai Du, Taipei, Taiwan  
B.S. (National Taiwan University); M.S. (Texas Technology College)  
*Dissertation:* Prostaglandin and Essential Fatty Acid Deficiency  
*Field of Specialization:* Physiological Chemistry

Frank Young Duncan, Jr., Sharon, S. C.  
B.S. (CrE), M.S. (Clemson University)  
*Dissertation:* Thermo-mechanical Behavior of Bauxite-Based Alumino-Silicate Refractories  
*Field of Specialization:* Ceramic Engineering

Edmund Joseph Durkin, Cleveland Heights  
B.S., M.S.  
*Dissertation:* Aspartate and Ornithine Carbamyl Transferases in Different Conditions of Growth  
*Field of Specialization:* Physiology

John Henry Dygos, Watervliet, N. Y.  
B.S. (Saint Lawrence University)  
*Dissertation:*  $\pi$ -Route Synthesis of Azabicyclics  
*Field of Specialization:* Chemistry

John Frederick Fleischauer, Dayton  
A.B. (Cornell University); M.A.  
*Dissertation:* A Plaine and Sensible Utterance: The Prose Style of Roger Ascham  
*Field of Specialization:* English

James Lewis Frazier, Seville  
B.S. in Agr.  
*Dissertation:* Interspecific Responses to Sex Pheromones Among Cockroaches of the Genus *Periplaneta*  
*Field of Specialization:* Entomology

\*Donald John Frericks, Minster  
B.S. in Ed. (University of Dayton); M. of Ed. (Miami University)  
*Dissertation:* Career Dimensions of Ohio School Counselors  
*Field of Specialization:* Education

Billy Wade Friar, Rose Hill, Va.  
A.B. (Berea College); B.S. in M.E. (Virginia Polytechnic Institute); M.S.  
*Dissertation:* Gas Density and Its Relationship to Ion-Chamber Current  
*Field of Specialization:* Mechanical Engineering



Robert William Froelich, Ashland  
B.S. (Case Western Reserve University); M.A.Mus.Ed.  
(Eastman School of Music)  
*Dissertation*: Programed Instruction in the Development  
of Aural Discrimination of Musical Instrument Timbres  
by College Students  
*Field of Specialization*: Education

Mary Ann Fruth, Fostoria  
B.A. (Denison University); A.M. (Smith College)  
*Dissertation*: The Royal Entry: A Study of Tradition and  
Change in the French Festivals of the 16th Century  
*Field of Specialization*: Theatre

Richard Paul Fulkerson, Columbus  
B.S. in Ed. (Southern Illinois University)  
*Dissertation*: The Dickens Novel on the Victorian Stage  
*Field of Specialization*: English

James Leo Gemma, Youngstown  
B.S. (University of Detroit); M.S.  
*Dissertation*: Coding Theorems for Systems of Channels  
*Field of Specialization*: Mathematics

Frederick William Giessler, Van Wert  
B.S. in Agr., M.S.  
*Dissertation*: An Investigation of Implicit Costs in Force  
Planning  
*Field of Specialization*: Business Administration

John Douglas Goss, Columbus  
B.S. in Phys., M.S.  
*Dissertation*: Measurement and Compound Nucleus  
Analysis of the Elastic Scattering of Alpha Particles by  
 $^9\text{Be}$   
*Field of Specialization*: Physics

Martin Grebel, New York, N. Y.  
B.S. (City College, New York); M.A.  
*Dissertation*: The Effect of Feedback on the Cognitive and  
Reaction Time Performance of Schizophrenic and  
Non-Schizophrenic Patients  
*Field of Specialization*: Psychology

Russell Marvin Grieger, II, Evansville, Ind.  
B.A. (Evansville College); M.A.  
*Dissertation*: The Effects of Teacher Expectancies on the  
Intelligence of Students and the Behavior of Teachers  
*Field of Specialization*: Psychology

Michel Grimard, Grand'Mere, Canada  
M.D., M.Sc. (University of Montreal)  
*Dissertation*: The Effects of Inert Gases on the Metabolic  
Activity of Living Tissue  
*Field of Specialization*: Physiology

Robert Eugene Hackney, Wellington, Kan.  
B.S. (University of Kansas)  
*Dissertation*: Hypocholesterolemic Agents: Compounds  
Related to Ethyl  $\alpha$ -(4-Chlorophenoxy)- $\alpha$ -Propionate  
*Field of Specialization*: Pharmacy

Abd El Hafeez, Atbara, Sudan  
B.Sc. (University of Khartoum); M.S. (Northwestern  
University)  
*Dissertation*: The Critical Properties of Binary Systems  
of Certain Fluorocompounds with Alkanes  
*Field of Specialization*: Chemical Engineering

Elaine Hayden Hairston, New Lexington  
B.A., M.A.  
*Dissertation*: An Analysis of the Use of Oral  
Interpretation as a Psychotherapeutic Technique  
*Field of Specialization*: Speech

Ralph Donnelly Handen, Jr., Riverside, Calif.  
B.S. (California Institute of Technology); B.D. (Fuller  
Theological Seminary)  
*Dissertation*: The Savoy Negotiations of the Comte De  
Tessé, 1693-1696  
*Field of Specialization*: History

Francis Lawrence Hanigan, Kingston, R.I.  
B.S. (United States Military Academy); M.S.  
*Dissertation*: Trilateration Adjustment and Network  
Design  
*Field of Specialization*: Geodetic Science

David Paul Hardcastle, Little Rock, Ark.  
B.A. (Texas Christian University); B.D. (Vanderbilt  
University); M.A.  
*Dissertation*: The Defense of Canada under Louis XIV,  
1643-1701  
*Field of Specialization*: History

Donald James Harney, Columbus  
AeE., M.S.Aero., (California Institute of Technology)  
*Dissertation*: Hypersonic Viscous Interactions as  
Described by the Binary Collision Scaling Parameter  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

Benedict Thomas Harwood, Plattsburgh, N. Y.  
B.S. (Xavier University); M.A. (Marshall University)  
*Dissertation*: Expressed Preferences for Information  
Seeking Behaviors and their Relationship to Birth Order  
*Field of Specialization*: Psychology

James Stephen Hensel, Columbus  
B.A. (Ohio Northern University); M.B.A. (Miami  
University)  
*Dissertation*: Physiological Measures of Advertising  
Effectiveness  
A Theoretical and Empirical Investigation  
*Field of Specialization*: Business Administration

Charles Edward Herdendorf, III, Sandusky  
B.S., M.S. (Ohio University)  
*Dissertation*: Limnological Investigations of the Spawning  
Reefs and Adjacent Areas of Western Lake Erie with  
Special Attention to Their Physical Characteristics  
*Field of Specialization*: Zoology

John Daniel Hogan, North Tarrytown, N. Y.  
B.S. (Saint John's University); M.S. (Iowa State University)  
*Dissertation*: A Survey and Interpretation of Article Characteristics: The Journal of Genetic Psychology 1945-1969  
*Field of Specialization*: Psychology

Jerrold Dale Hopfengardner, Westerville  
B.S.Ed. (University of Dayton); M.Ed. (Miami University)  
*Dissertation*: Cost of Guidance Services in Ohio Public Secondary Schools  
*Field of Specialization*: Education

Ronald Fredrick Hough, Dayton  
B.S. (University of Dayton); M.A. (Miami University)  
*Dissertation*: The Cognitive Status of Scientific Theories  
*Field of Specialization*: Philosophy

Lawrence Akio Inaba, Columbus  
Ed.B., M.Ed. (University of Hawaii)  
*Dissertation*: The Development of a Framework for and a Model Teaching-Learning System in Electronics Technology for the Elementary School  
*Field of Specialization*: Education

Virgil Irick, Jr., Vance, S. C.  
B.S. (Cer. Engr.), M.S. (Cer. Engr.) (Clemson University)  
*Dissertation*: Effects of Impurities on Phase Development and Crystal Growth in Bauxite-Based Refractories  
*Field of Specialization*: Ceramic Engineering

Dorothy Woytowicz Jackson, Columbus  
B.A. (Queens College); M.A.  
*Dissertation*: Self as Process: Implication of Role Behavior  
*Field of Specialization*: Psychology

John William James, III, Reynoldsburg  
B.E.E. (University of Louisville); M.S.  
*Dissertation*: The Tree-Structured Distributed Logic Memory  
*Field of Specialization*: Electrical Engineering

Adel Salim Kadi, Beirut, Lebanon  
B.Eng. (American University of Beirut); M.S.  
*Dissertation*: A Study and Comparison of the Equations of Thin Shell Theories  
*Field of Specialization*: Engineering Mechanics

Tsuyoshi Kakihana, Taira, Ryukyus  
B.E. (Shizuoka University); M.S. (Michigan State University)  
*Dissertation*: Synthesis and Reactions of 2-Methoxyazocines  
*Field of Specialization*: Chemistry

Niyazi Karasar, Ankara, Turkey  
B.S. (Vocational and Teacher Training, Ankara, Turkey); M.S. (Stout State University)  
*Dissertation*: Impact of Video Feedback on Teachers' Eye-Contact Mannerisms in Microteaching  
*Field of Specialization*: Education

Richard Stillman Keister, Terre Haute, Ind.  
B.A. (Miami University); M.S.  
*Dissertation*: The Role of Organization in Paired Associate Learning  
*Field of Specialization*: Psychology

Robert Stephen Kennedy, Columbus  
B.S., M.S. (University of Dayton)  
*Dissertation*: Cytological and Physiological Effects of Chlorinated Hydrocarbon Pesticides and Dissolved Oxygen Concentration on a *Pseudomonas Sp.* Isolated from Lake Erie  
*Field of Specialization*: Microbiology

Jerry Allen Kotchka, Tiltonsville  
B.S. (United States Naval Academy); M.S. (United States Postgraduate School)  
*Dissertation*: On a Bayesian Methodology to the Solution of the Naval ASW Screen Placement Problem  
*Field of Specialization*: Industrial Engineering

Philip George Kuehl, Columbus  
B.S. (Bus.) (Miami University); M.B.A.  
*Dissertation*: An Examination of the Influence of Family Life Cycle and Social Class on Information Seeking in Self-Medication Behavior  
*Field of Specialization*: Business Administration

Goro Kuno, Sakai, Osaka, Japan  
B.S. (Hokkaido University, Japan); M.S. (University of California)  
*Dissertation*: Studies of Growth-Promoting Proteins in Fetal Bovine Serum Using *Aedes aegypti* Cells Cultured *In Vitro*  
*Field of Specialization*: Entomology

Charles Herbert Law, Alexandria  
B.A.A.E., M.S.  
*Dissertation*: The Supersonic Axisymmetric Wake about a Trailing Tow Cable  
*Field of Specialization*: Aeronautical and Astronautical Engineering

John Woodmansee Leland, Washington C. H.  
B.A. (Maryville College); M.A.  
*Dissertation*: Neville Chamberlain and British Social Legislation, 1923-1929  
*Field of Specialization*: History

Wilbert Marcellus Leonard, II, Barnesboro, Pa.  
B.A. (Albright College); M.A. (University of Pennsylvania)  
*Dissertation*: University Subcultures: A Visual Profile Analysis  
*Field of Specialization*: Sociology

Charles Levin, Harrington Park, N. J.  
B.S.  
*Dissertation*: Kinetics and Mechanism of Phenylcyclopropane Cleavage with Palladium (II) Chloride  
*Field of Specialization*: Chemistry

Ralph Stanley Lorenz, Columbus  
B.S.E.E. (Ohio University); M.S.  
*Dissertation*: Preparation and Characteristics of the  
GaAs- Deposited SiO<sub>2</sub> Interface  
*Field of Specialization*: Electrical Engineering

Gloria King Ludlum, Lima  
B.A. (Miami University); M.S.  
*Dissertation*: Phase Equilibrium in the Join Akermanite -  
Anorthite - Gehlenite  
*Field of Specialization*: Mineralogy

Hossein Mahban, Tehran, Iran  
B.S. (Abadan Institute of Technology); M.S. (North  
Carolina State University)  
*Dissertation*: Rock Behavior Under Impulsive Loadings  
*Field of Specialization*: Engineering Mechanics

John Arthur Maier, Fredonia, N. Y.  
B.Mus., M.A.  
*Dissertation*: An Investigation of the Relationship of  
Selected Personal, Academic and Musical Factors to  
Success in the Two-Year Basic Music Theory Sequence at  
the State University College, Fredonia, New York  
*Field of Specialization*: Music

Zane McCoy, Huntington, W. Va.  
A.B. in Edu. (Fairmont State Teachers College); M.S.  
(West Virginia University)  
*Dissertation*: Components of Conflict Resident in the  
Position of School Superintendent  
*Field of Specialization*: Education

John David McCracken, Charles City, Ia.  
B.S.Ag.Ed., M.S. (Iowa State University)  
*Dissertation*: The Utilization of Information by State  
Supervisory and Teacher Education Personnel in  
Vocational and Technical Education  
*Field of Specialization*: Agricultural Education

Dorothy Taylor McDonald, Columbus  
B.Mus.Ed. (University of Nebraska); M.Ed. (University  
of North Carolina)  
*Dissertation*: The Identification of Elementary School  
Children's Musical Concepts as a Function of Environment  
*Field of Specialization*: Education

David John McGonagle, Arlington, Va.  
B.A. (Xavier University); M.A.  
*Dissertation*: Rhetoric and Biography in Velleius  
Paterculus  
*Field of Specialization*: Classics

Shirlee May Meola, Athens, Ga.  
B.S., M.S.  
*Dissertation*: A Histophysiological and Ultrastructural  
Study of the Corpus Cardiacum of the Mosquito  
*Field of Specialization*: Zoology

Joseph Alexander Mihalka, Columbus  
B.A., M.A.  
*Dissertation*: Sequential Testing—A Systems Approach  
*Field of Specialization*: Education

Elliot Stuart Miller, Greenwich, Conn.  
B.A. (Harvard College)  
*Dissertation*: The Victorian Domestic Realists  
*Field of Specialization*: English

Reza Moinpour, Teheran, Iran  
B.S. in Bus.Adm., M.B.A.  
*Dissertation*: An Empirical Investigation of  
Multidimensional Scaling and Multidimensional Unfolding  
to Predict Brand Purchasing Behavior  
*Field of Specialization*: Business Administration

Synnové Voss Morris, Bowling Green  
*Dissertation*: Observed and Predicted Intensities of  
Absorption Lines in Mira Variables  
*Field of Specialization*: Astronomy

Louis Moskowitz, Philadelphia, Pa.  
A.B. (Allegheny College); M.A. (Hofstra University)  
*Dissertation*: The Relationship within Early Cross-  
Modality Perceptual Differentiation  
*Field of Specialization*: Psychology

Zuhair A.R. Muhi-Eldeen, Baghdad, Iraq  
B.Sc. Pharm. (Baghdad University); M.S. (University of  
Colorado)  
*Dissertation*: Chemical Studies Designed to Prepare  
Radio-Protective Agents  
*Field of Specialization*: Pharmacy

Larry Allen Muir, Wooster  
B.S. in Agr., M.S.  
*Dissertation*: Estrogen and Progesterone Balance and the  
Control of Calcium Mobilization in the Bovine  
*Field of Specialization*: Dairy Science

John Allen Murphy, Pickerington  
B.Aero.E., M.S.  
*Dissertation*: The Effect of Pilot Restraint and  
Aerodynamic Forces on the Flutter of Reversible Control  
Systems  
*Field of Specialization*: Aeronautical and Astronautical  
Engineering

Peter Edward Murphy, St. Albans, Herts, England  
B.Sc. (University of London); M.A.  
*Dissertation*: A Study of the Influence of Attitude, as a  
Behavioral Parameter, on the Spatial Choice Patterns of  
Consumers  
*Field of Specialization*: Geography

Mary-Ann Lee Myrant, Bethesda, Md.  
B.S. (University of Oregon); M.S. in P.Ed (Indiana  
University)  
*Dissertation*: A Survey and Evaluation of Professional  
Laboratory Experiences in Physical Education  
*Field of Specialization*: Physical Education

John Walter Nelson, Columbus  
B.A. (Trinity College); B.D. (Yale University Divinity  
School); M.A.  
*Dissertation*: Blake's Minor Prophecies: A Study of the  
Development of His Major Prophetic Mode  
*Field of Specialization*: English

Edward Allen Nicholson, Jr., Columbus  
B.S. in Bus.Adm., M.A.  
*Dissertation*: Job Decisions of Ohio Liberal Arts College  
Faculty Members  
*Field of Specialization*: Business Administration

Ralph Edwin Oberly, Urbana  
B.S.

*Dissertation:* High Resolution Infrared Spectra of Some Isotopic Species of Carbon Dioxide  
*Field of Specialization:* Physics

Joseph Patrick O'Rourke, Columbus  
B.S. in Edu., M.A.

*Dissertation:* Toward a Science of Vocabulary Development  
*Field of Specialization:* Education

George John Papageorgiou, Athens, Greece  
M.C.P.

*Dissertation:* A Generalization of the Population Density Gradient Concept  
*Field of Specialization:* Geography

Howard William Paul, Westerville

B.A. (Capital University); M.A. (Bowling Green State University)

*Dissertation:* The Relationship of Various High School Mathematics Programs to Achievement in the First Course in College Calculus  
*Field of Specialization:* Education

Marla Putzier Peterson, Charleston, Ill.

B.A. (Iowa State Teachers College); M.A. (State College of Iowa)

*Dissertation:* A Comparison of Elementary Teachers and Elementary Counselors on their Beliefs About the Teaching Process  
*Field of Specialization:* Education

Raymond George Peterson, Jr., Council Bluffs, Ia.

B.A. (State University of Iowa)

*Dissertation:* George Washington, Capitalistic Farmer—A Documentary Study of Washington's Business Activities and the Sources of His Wealth  
*Field of Specialization:* History

Elizabeth Mae Pflaumer, Lebanon

A.B. (Asbury College); M.A.

*Dissertation:* Personality Correlates of Effective Listening  
*Field of Specialization:* Speech

Dorothy Jean Quisenberry, Winchester, Ky.

B.S. (Eastern Kentucky State College);

M.S. (University of Tennessee)

*Dissertation:* A Use of the Semantic Differential to Determine the Perceptions of Students Toward Women High School Physical Education Teachers  
*Field of Specialization:* Physical Education

Howard Marks Simon Richard, Columbus

B.S.Ed. (Southern University); M.S. (University of Notre Dame)

*Dissertation:* New Careers Mathematics: The Effect Upon Achievement in Mathematics of Supplementing a Concept Centered Course for Adults with Experiences in Computer Utilization  
*Field of Specialization:* Education

George Arthur Richards, Granville

B.E.E., M.S.

*Dissertation:* Reaction Formulation and Numerical Results for Multiturn Loop Antennas and Arrays  
*Field of Specialization:* Electrical Engineering

Donald Edward Riechard, Troy, Mo.

A.B. (University of Missouri); A.M. (West Virginia University)

*Dissertation:* The Acquisition of Selected Life-Science Concepts by Beginning Kindergarten Children from Three Different Community Settings  
*Field of Specialization:* Education

Dominick Allan Ross, Columbus

B.S.

*Dissertation:* Reactions of Sulfur Dioxide with Transition Metal Unsaturated Hydrocarbon Complexes  
*Field of Specialization:* Chemistry

Michael Jay Rudick, Forest Hills, N. Y.

B.A. (College of Wooster)

*Dissertation:* The Environmental Control of Cytochrome Oxidase Activity in *Acanthamoeba Castellanii*  
*Field of Specialization:* Zoology

Willard Travis Rushton, Corpus Christi, Tex.

B.S. (Ag.Ec.) (Texas Agricultural and Mechanical University); M.S.

*Dissertation:* A Test of the Value Concept: The Relationships between Value Commitments and Political Preference  
*Field of Specialization:* Agricultural Economics and Rural Sociology

Usha Sachdeva, Ludhiana, India

B.A., M.A. (Panjab University)

*Dissertation:* Some Theorems on Category of Transformations and on Existence of Invariant Measures for Operators  
*Field of Specialization:* Mathematics

Sreerangapatam Garudaiyengar Sampath, Bangalore, India

B.S., M.S. (Osmania University); M.S. (Indian Institute of Science)

*Dissertation:* Vibrations of Circular Cylindrical Shells under Space-Varying Initial Stresses and Body Forces  
*Field of Specialization:* Engineering Mechanics

William B. Schonberg, Columbus

B.A. (Washington and Jefferson College); M.A.

*Dissertation:* A Comparison of Wrongs, Worries, and Interests from 1923 to the Present  
*Field of Specialization:* Psychology

William Thomas Schultz, Parma

B.A. (Northwestern University)

*Dissertation:* The Eumolpinae of America North of Mexico with Revisions of Selected Genera (Coleoptera: Chrysomelidae)  
*Field of Specialization:* Entomology

Barbara Billings Seels, Pittsburgh, Pa.

A.B. (Bucknell University); M.S. in Edu. (Syracuse University)

*Dissertation:* Concepts and Communication  
*Field of Specialization:* Education

**Darwin Michael Semotiuk**, Edmonton, Alta., Canada  
 B.P.E., M.A. (University of Alberta)  
*Dissertation*: The Development of a Theoretical Framework for Analyzing the Role of National Government Involvement in Sport and Physical Education and its Application to Canada  
*Field of Specialization*: Physical Education

**Rajinder Singh**, Punjab, India  
 B.Tech., M.Tech. (Indian Institute of Technology, Kharagpur)  
*Dissertation*: Simultaneous Diffusion of Heat and Moisture in Spherical Porous Bodies  
*Field of Specialization*: Agricultural Engineering

**Lester Frank Smith**, Columbus  
 B.S. in Bus.Adm., B.M.E., M.S.  
*Dissertation*: Hydrodynamic Entrance Lengths for Laminar Flow in Circular Ducts with Dispersed Solid Particles  
*Field of Specialization*: Mechanical Engineering

**Jack Sonn**, Bronx, N. Y.  
 B.S. (Queens College); M.S.  
*Dissertation*: On the Embedding Problem for Non-solvable Galois Groups of Algebraic Number Fields: Reduction Theorems  
*Field of Specialization*: Mathematics

**Alphonso Lorenzo Sorhaindo**, Pelham Manor, N. Y.  
 B.A. (Iona College); M.A. (Connecticut College)  
*Dissertation*: The Relationship Between Value-Expectancy Discrepancy and Alienation in College Students  
*Field of Specialization*: Psychology

**Suryanarayana Srinivasan**, Thanjavur, India  
 B.E. (Annamalai University); M.E. (Indian Institute of Science, Bangalore)  
*Dissertation*: Vibration and Stability of Beams and Plates in the Presence of Electromagnetic Fields  
*Field of Specialization*: Engineering Mechanics

**Dale Lee Stansbury**, New Philadelphia  
 B.S. (Muskingum College); M.S.  
*Dissertation*: Rural Income Determination in the East North Central States: Implications on Policy and Poverty  
*Field of Specialization*: Agricultural Economics and Rural Sociology

**Donna Largent Streifthau**, Middletown  
 B.S. Ed., M. Ed. (Miami University)  
*Dissertation*: Cincinnati Cabinet- and Chairmakers, 1819-1830  
*Field of Specialization*: Home Economics

**Vaughn Kemp Taylor**, Springfield  
 B.S. in Edu. (University of Dayton); M.S. in Edu. (Wittenberg University)  
*Dissertation*: Black Adults' Perceptions of Counselors Within the Counselor-Client Relationship  
*Field of Specialization*: Education

**Milkhi Ram Thakur**, Himachal Pradesh, India  
 B.Sc. (Ag.) (University of Delhi); M.Sc. (Horticulture) (Indian Agricultural Research)  
*Dissertation*: Environmental and Genetic Control of Heterostyly in Tomato (*Lycopersicon esculentum* L.)  
*Field of Specialization*: Horticulture and Forestry

**Charles Gordon Tindali, Jr.**, Princeton, N. J.  
 B.A. (College of Wooster); M.S.  
*Dissertation*: Synthesis of Furanose Sugars having Terminal Vinyl and Cyclopropyl Groups and their Conversion into Modified Nucleosides  
*Field of Specialization*: Chemistry

**John Rathbone Tripp**, Rocky River  
 B.S. (Oregon State University); M.S.  
*Dissertation*: The Descriptive Embryogeny and Post-Embryogeny of the Mygalomorph Spider, *Antrodiaetus unicolor*  
*Field of Specialization*: Zoology

**Katherine Jorgensen Twarog**, Columbus  
 B.A., M.A.  
*Dissertation*: Pre-Existing Kinship Ties and Migration Patterns: A Genealogical Approach to the Analysis of Migration-Systems  
*Field of Specialization*: Anthropology

**Myron David Ullman**, Oregon  
 B.S. (Muskingum College)  
*Dissertation*: Aspects of Decreased All *CIS* 5, 8, 11-Eichsatrienoic Acid Deposition in Tissue Lipids of the Fat Deficient Rat  
*Field of Specialization*: Physiological Chemistry

**John S. Vamos**, West Mifflin, Pa.  
 B.M.E. (Villanova University)  
*Dissertation*: An Investigation of Over-Driven Detonation Waves and the Ignition of Combustible Gaseous Mixtures by Strong Shock Waves  
*Field of Specialization*: Aeronautical and Astronautical Engineering

**Sherman Dean Vander Ark**, Urbana  
 A.B. in Ed. (Calvin College); M.A.  
*Dissertation*: Programmed Instruction in Twentieth Century Music: A Feasibility Study  
*Field of Specialization*: Music

**Ethard Wendel Van Stee**, Columbus  
 B.S., D.V.M. (Michigan State University); M.S.  
*Dissertation*: Some Aspects of the Pharmacology of Bromotrifluoromethane  
*Field of Specialization*: Veterinary Physiology and Pharmacology

**Sonya Gray Vassos**, Niles  
 B.S. in Edu.; M.S. in Retailing (New York University)  
*Dissertation*: A Study of Attitudes Toward the Guidance Department and the College Counseling Process as a Result of Employing Computer-Assisted College Selection  
*Field of Specialization*: Education

**Francis Anthony Via**, Frostburg, Md.  
 B.S. Chem. (West Virginia University); M.S.  
*Dissertation*: A Kinetic and Thermodynamic Investigation of Imine Formation with Isobutyraldehyde and Primary Aliphatic Amines  
*Field of Specialization*: Chemistry

**Marie Therese Volk**, Cleveland  
 A.B. (Ursuline College); M.A. (Tufts University)  
*Dissertation*: The Melian Dialogue in Thucydides: A Structural Analysis  
*Field of Specialization*: Classics

David Russell Voltmer, State College, Pa.  
B.S.E.E. (Iowa State University); M.S.E.E. (University  
of Southern California)  
*Dissertation*: Diffraction by Doubly Curved Convex  
Surfaces  
*Field of Specialization*: Electrical Engineering

Shyam Krishna Vyas, Punjab, India  
B.E. (University of Rajasthan); M. Tech. (Indian  
Institute of Technology)  
*Dissertation*: A Probabilistic Approach to Seepage  
*Field of Specialization*: Civil Engineering

Joseph Day Wander, Columbus  
B.S. in Chem. (Case Western Reserve University)  
*Dissertation*: Conformational Properties of Sugars:  
Synthesis of Some Diphenyl Dithioacetals and Preparation  
of a Carbohydrate Ketene Dithioacetal  
*Field of Specialization*: Chemistry

Dale F. Warnke, Albuquerque, N. M.  
B.S. Eng. Physics (University of Oklahoma); M.S.  
(University of New Mexico)  
*Dissertation*: Turbulent Heating Mechanisms in a Strong  
Electric Field  
*Field of Specialization*: Nuclear Engineering

Raymond Henry Wehner, Columbus  
B.S. in Bus. Adm., M.A.  
*Dissertation*: Violence in Contemporary British Drama,  
1956-1969  
*Field of Specialization*: Theatre

Robert Emery Wenig, McClure  
B.S. in Edu., M.Ed. (Bowling Green State University)  
*Dissertation*: The Development and Testing of an  
Innovative Total Program Evaluation Schema for  
Industrial Arts Education  
*Field of Specialization*: Education

William Robert Williams, Lancaster  
B.S.Ed., M.S. (Ohio University)  
*Dissertation*: The Role of the Professional Teacher  
Educator in the Public Schools  
*Field of Specialization*: Education

Beverly Dawn Wilson, Richmond, Ky.  
B.S. (Eastern Kentucky State College); M.S. in P.Ed.  
(Indiana University)  
*Dissertation*: Self-Perception and Peer Perception of a  
Group of College Women Physical Educators  
*Field of Specialization*: Physical Education

Sister Louise Wilxman, Columbus  
A.B. (Ohio Dominican College); M.A.  
*Dissertation*: A Critical Study of Tennyson's *In Memoriam*  
*Field of Specialization*: English

Kyril Francis Wylie, Kettering  
B.S., M.A. (Kent State University)  
*Dissertation*: Transport Phenomena at the Liquid-Vapor  
Interface of Mercury Using a Radioactive Tracer  
*Field of Specialization*: Nuclear Engineering

Peng Nam Yeoh, Mentakab, Pahang, Malaysia  
B. Pharm. (University of Singapore); M.S.  
*Dissertation*: A Pharmacological Evaluation of Seizures  
Induced by Electrical Stimulation of the Hippocampus  
*Field of Specialization*: Pharmacy

# **Certificate in Teaching English Speakers of Other Languages**

One candidate

\*Lorraine Koren Bloom, Winnipeg,  
Man., Canada  
B.A. (University of Toronto)

## **Master of Accounting**

One candidate

James Danny Farmer, Maineville  
B.B.A. (Eastern Kentucky State  
College)  
*Field of Specialization:* Accounting

## **Master of Arts**

Two hundred and twenty-two candidates

Larry Lynn Adams, Columbus  
B.A. (Anderson College)  
*Field of Specialization:* Music

Mark Emory Adams, Brooklyn, N. Y.  
B.A. (Alfred University)  
*Field of Specialization:* History

June Holzworth Aiken, Columbus  
A.B. (Heidelberg College)  
*Field of Specialization:* Education

John Robert Atkinson, Batesville  
B.S. in Edu.  
*Field of Specialization:* Education

Almut Nitz Bartelt, Columbus  
*Field of Specialization:* German

James Ross Bartz, Columbus  
B.S. in Edu.  
*Field of Specialization:* Art

Bernice Ann Baur, Bay Port, Mich.  
B.S. Ed. (Central Michigan  
University)  
*Field of Specialization:* Education

Sandra Yarnell Beery, Wooster  
B.S. in Edu.  
*Field of Specialization:* Education

Neil David Berman, Jamaica, N. Y.  
A.B. (University of Michigan)  
*Field of Specialization:* English

James John Bird, Milwaukee, Wis.  
B.S. (Wisconsin State University,  
LaCrosse)  
*Field of Specialization:* Physical  
Education

Jane Frances Blabolil, Cleveland  
B.A. (Baldwin-Wallace College)  
*Field of Specialization:* Education

\*Lorraine Koren Bloom, Winnipeg,  
Man., Canada  
B.A. (University of Toronto)  
*Field of Specialization:* Speech

Catherine Cecilia Bott, Baden, Pa.  
B.S. in Edu. (Edinboro State College,  
Pennsylvania)  
*Field of Specialization:* Romance  
Languages

Elizabeth Elliott Bradner, Lakewood  
B.A. (Wellesley College)  
*Field of Specialization:* Economics

Jacob James Brenneman, Jr., West  
Liberty  
B.A. (Goshen College)  
*Field of Specialization:* Education

Thomas Alan Buckingham,  
Westerville  
B.A. (Otterbein College)  
*Field of Specialization:* Education

Frances Joan Bulthuis, Paterson, N. J.  
A.B. in Educ. (Calvin College)  
*Field of Specialization:* Music

Joan Harlow Burger, Belvidere, Ill.  
B.A. (De Pauw University)  
*Field of Specialization:* Education

Patricia Schroeder Burke, Neenah,  
Wis.  
B.A. (University of Wisconsin)  
*Field of Specialization:* English

Elizabeth Beard Butler, Grove City  
B.S. in Soc. Adm.  
*Field of Specialization:* Education

James Leo Cameron, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Frank Henry Caron, Columbus  
B.A. (Denison University)  
*Field of Specialization:* Education

Pio Luque Celestino, Moche, Peru  
B.A. (Universidad Nacional de  
Trujillo)  
*Field of Specialization:* Political  
Science

Alfred Robert Celli, Columbus  
B.A. (University of Notre Dame)  
*Field of Specialization:* English

Nell Elizabeth Chambers, New  
Richmond  
B.S. in Edu.  
*Field of Specialization:* Education

Susan Marie Charbonneau, Gary, Ind.  
B.A. (Marian College, Indianapolis,  
Indiana)  
*Field of Specialization:* English  
(TESOL)

Nora Chao Ching, Taiwan, China  
B.A. (National Taiwan University)  
*Field of Specialization:* East Asian  
Languages

Margaret Psiaki Close, Columbus  
B.S. in Ed. (Ashland College)  
*Field of Specialization:* Education

Howard Allen Cohn, Memphis, Tenn.  
B.B.A. (Memphis State University)  
*Field of Specialization:* Public  
Administration

James Lawrence Cole, Jr., Fairfax,  
Va.  
B.S. (United States Air Force  
Academy)  
*Field of Specialization:* History

Deborah Dye Coleman, Bay Village  
B.S. in Edu.  
*Field of Specialization:* Education

Catharine Virginia Collins, Cincinnati  
B.Mus.Ed. (College of Mount Saint  
Joseph on the Ohio)  
*Field of Specialization:* Music

Michael William Collins, Holmdel,  
N.J.  
B.S.J. (Ohio University)  
*Field of Specialization:* Journalism

Nancy Schwarzenberg Comer,  
Wickliffe  
B.S. in Edu. (Bowling Green State  
University)  
*Field of Specialization:* Education

Roger Parron Conley, Bradenton, Fla.  
B.S. in Edu.  
*Field of Specialization:* Education

Jacqueline Bresnahan Conner, Akron  
B.A. (Kent State University)  
*Field of Specialization:* Psychology

Anthony Salvatore Cookro, Akron  
B.S. (Ohio University)  
*Field of Specialization:* Education

Joseph Richard Cote, Columbus  
B.A. (University of Ottawa, Canada);  
A.B. (University of Nebraska)  
*Field of Specialization:* Journalism

Virginia Ann Coulter, Galion  
B.S. in Ed. (Ashland College),  
*Field of Specialization:* Education

Janet Emily Crandell, Sylvania  
B.S. in Edu.  
*Field of Specialization:* Education

Ronald John Cree, Portsmouth  
B.S. in Edu.  
*Field of Specialization:* Education

\* Also Master of Arts, Graduate School  
\* Also Certificate in Teaching English Speakers  
of Other Languages, Graduate School

Vera Rose Cuglietta, Salt Lake City, Utah  
B.A. (University of Utah)  
*Field of Specialization:* History

Arthur Darnbrough, III, Gallipolis  
B.S. in Edu.  
*Field of Specialization:* History

Charles Clarence Davis, Plymouth, N. H.  
B.Ed. (Plymouth State College, New Hampshire)  
*Field of Specialization:* Physical Education

Erin Reilly Dieffenderfer, Columbus  
B.A. (Trenton State College, New Jersey)  
*Field of Specialization:* Education

Charles Robert Donaldson, Columbus  
B.S. in Ed. (Youngstown State University)  
*Field of Specialization:* History

Rosie Nucklos Doughty, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Deborah Anne Douglas, Columbus  
B.S. in Edu.  
*Field of Specialization:* Education

Tina Spencer Dreishbach, Hiram  
B.A. (Hiram College)  
*Field of Specialization:* Music

Sandor Desmond Drosick, Mayfield Heights  
A.B. (Case Western Reserve University)  
*Field of Specialization:* History

Carol Rutherford Dube, Columbus  
B.A. (University of Toronto, Canada)  
*Field of Specialization:* Romance Languages

Victor Edward Dunham, Canal Fulton  
B.S. in Edu.  
*Field of Specialization:* Education

David William Eberle, Dover  
B.A.  
*Field of Specialization:* History

William Timm Ebert, Merrill, Wis.  
B.A. (Michigan State University)  
*Field of Specialization:* Political Science

Cathy Suzanne Ellis, Cleveland  
B.S. in Edu.  
*Field of Specialization:* Education

Eugene Conrad Elser, Rochester, N.Y.  
B.A. (Roberts Wesleyan College)  
*Field of Specialization:* Speech

Laura Thompson Faller, Columbus  
B.S. (State University College at Oneonta, New York)  
*Field of Specialization:* Education

Kay Kegel Fisher, Gahanna  
B.S. (Pennsylvania State University)  
*Field of Specialization:* Education

Janet Marie Fritz, Cleveland  
B.A. (Bowling Green State University)  
*Field of Specialization:* Sociology

Douglas Andrew Gamble, Maryville, Tenn.  
B.A. (Maryville College)  
*Field of Specialization:* History

Cheong-Chor Gan, Port Swettenham, Malaysia  
M.A. (University of Oklahoma)  
*Field of Specialization:* Political Science

Paul Thomas Gebhardt, Bucyrus  
B.S. in Edu. (Capital University)  
*Field of Specialization:* Education

Bruce Edward Gillespie, Columbus  
B.A.  
*Field of Specialization:* Political Science

Ronald Jaye Golden, Columbus  
B.S. in Edu.  
*Field of Specialization:* Physical Education

Jacob Knight Goodman, Middletown  
B.A.  
*Field of Specialization:* Education

Madeline Karen Goodman, Southfield, Mich.  
B.A. (Wayne State University)  
*Field of Specialization:* Dance

Barbara Louise Goodwin, St. James, N. Y.  
B.S. (Springfield College, Massachusetts)  
*Field of Specialization:* Journalism

Eugene Gotman, Herkimer, N. Y.  
B.A. (State University College, Fredonia, New York)  
*Field of Specialization:* Slavic Languages

Ellen Louise Gow, Dayton  
B.S. in Edu. (Muskingum College)  
*Field of Specialization:* Education

Seth Neil Greenberg, New Hyde Park, N. Y.  
B.A. (Queens College)  
*Field of Specialization:* Psychology

Sumit Gunanukorn, Bangkok, Thailand  
B.Ed. (Chulalongkorn University)  
*Field of Specialization:* Education

Irene Hagiantoniou, Athens, Greece  
B.S. in Bus. Adm.  
*Field of Specialization:* Economics

Robert Baldwin Harris, Chillicothe  
B.A.  
*Field of Specialization:* Economics

Allen Roger Hart, Cleveland  
B.A.  
*Field of Specialization:* Political Science

Charles Brian Harvey, Brandon, Man., Canada  
B.A. (Brandon University)  
*Field of Specialization:* Psychology

Emily Hotchkiss Hauck, Sandusky  
B.S. in Edu.  
*Field of Specialization:* Education

Noel Ann Hedges, Akron  
B.A. (Case Western Reserve University)  
*Field of Specialization:* Psychology

Paul Wilson Henshaw, Pittsburgh, Pa.  
B.A. (Adrian College); M.Div. (Methodist Theological School in Ohio)  
*Field of Specialization:* Education

Janet Maxton Hess, Columbus  
B.S.Ed. (Ohio University)  
*Field of Specialization:* Education

Charles Joseph Higgins, Barrington, N. J.  
B.A. (Rider College)  
*Field of Specialization:* Education

Linda Korsgaard Hobbie, Cleveland  
B.S. in Edu.  
*Field of Specialization:* English

Carol Taylor Hodge, Dayton  
B.A. (Miami University)  
*Field of Specialization:* English

Robert Michael Hook, Columbus  
B.A., B.S. in Edu.  
*Field of Specialization:* Education

Richard Lee Howard, Boulder, Colo.  
B.A. (University of Colorado)  
*Field of Specialization:* Psychology



- Roberta Morse Hughey, Kilgore, Tex.  
B.A. (Miami University)  
*Field of Specialization: Education*
- Vida Joyce Hull, Alliance  
B.A. (Rollins College)  
*Field of Specialization: Art*
- Betty Delay Hyatt, Dayton  
A.B. (Franklin College, Indiana)  
*Field of Specialization: Romance Languages*
- Susan Fuyuko Imai, Honolulu, Hawaii  
Ed.B. (University of Hawaii)  
*Field of Specialization: Education*
- John Francis Jakubs, Lake Bluff, Ill.  
A.B. (Syracuse University)  
*Field of Specialization: Geography*
- Susan Rita Jay, Columbus  
B.A. (Miami University)  
*Field of Specialization: Speech*
- Sister M. Lisa Jessel, Columbus  
A.B. (Ohio Dominican College);  
M.A., Ph.D. (Catholic University of America)  
*Field of Specialization: German*
- Francine Limbert Kammer, Akron  
B.S. in Edu.  
*Field of Specialization: Education*
- Susan Branner Karnes, South  
Charleston, W. Va.  
B.Mus. (University of Michigan)  
*Field of Specialization: Music*
- Barbara Glone Kauffman, Dayton  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: Speech*
- Sally Dasher Kempfer, Marysville  
B.S. in Edu. (Capital University)  
*Field of Specialization: Education*
- Margaret Ellen Dutton Kiehl,  
Middleport  
B.A. (Denison University)  
*Field of Specialization: English*
- Alan Peter Kimmel, Chicago, Ill.  
A.B. (Oberlin College)  
*Field of Specialization: History*
- Pamela Marie Kindig, Columbus  
B.A. (Miami University)  
*Field of Specialization: Education*
- Peter Kitchen, Liverpool, England  
*Field of Specialization: Physical Education*
- Helene Barbara Kollman, Springfield  
B.S. in Edu.  
*Field of Specialization: Education*
- Ursula Ebert Kouyoumjian,  
Columbus  
B.S. in Soc. Adm.  
*Field of Specialization: Education*
- William James Kraus, Cincinnati  
B.A.  
*Field of Specialization: History*
- Susan Sumie Kuba, Kaneohe, Hawaii  
Ed.B. (University of Hawaii)  
*Field of Specialization: Education*
- Judith Mary Kucy, Rochester, N. Y.  
B.A. (Syracuse University)  
*Field of Specialization: Economics*
- Mary Fitzgerald Kulwicki, Dayton  
B.A. (University of Dayton)  
*Field of Specialization: Art*
- Karen Lane Kuntz, St. Marys, W. Va.  
B.S.Ed. (West Virginia University)  
*Field of Specialization: Education*
- Beatrice Bucher Kuwik, Columbus  
B.A. (Eng.) (State University of  
New York at Buffalo)  
*Field of Specialization: Education*
- Dorothy Wise Laming, Yellow Springs  
B.A. (Wittenberg University)  
*Field of Specialization: Theatre*
- Larry Lee Larson, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*
- Catherine Shing-Rou Wu Lee, Taipei,  
Taiwan  
B.A. (Taiwan Normal University)  
*Field of Specialization: East Asian Languages*
- Russell Lomax Leonard, Jr.,  
Richmond, Va.  
B.A. (University of Richmond)  
*Field of Specialization: Psychology*
- Betty Swayne Leslein, Tucker, Ga.  
B.S. in Edu.  
*Field of Specialization: Education*
- Susan Marie Lewis, Batavia  
B.Mus. (Ohio Wesleyan University)  
*Field of Specialization: Music*
- Rand Elliot Link, Los Angeles, Calif.  
B.A. (University of California, Santa  
Barbara)  
*Field of Specialization: Education*
- Carole Eileen Listiak, Youngstown  
B.S. in Ed. (Youngstown State  
University)  
*Field of Specialization: Education*
- Deedra Ann Lisy, Cleveland  
B.S. in Edu. (Ashland College)  
*Field of Specialization: Physical Education*
- Lois Ellen Livesay, Flint, Mich.  
A.B. (University of Michigan)  
*Field of Specialization: History*
- Dora Grady Lodwick, Columbus  
B.A. (Muskingum College)  
*Field of Specialization: Sociology*
- Eleanor Whiteside Lynch, Columbus  
B.S. in Edu.  
*Field of Specialization: Education*
- David Eldon Marz, Canton  
B.S. in Edu.  
*Field of Specialization: Education*
- Steven Roy Mathews, Central City,  
Nebr.  
A.B. (University of Nebraska)  
*Field of Specialization: History*
- Richard Alan Matthews, Euclid  
B.A. (Miami University)  
*Field of Specialization: Economics*
- John Powers McCann, Pleasant Hill  
B.A. (University of Dayton)  
*Field of Specialization: Journalism*
- Thomas Aloysius McMahon,  
Portsmouth  
B.F.A.  
*Field of Specialization: Art*
- Raymond Eugene McPhail,  
Pocahontas, Ill.  
B.A. (San Francisco State College)  
*Field of Specialization: Political Science*
- Stuart Meck, South Euclid  
B.A. in Jour.  
*Field of Specialization: Journalism*
- Jack Allan Meyer, Columbus  
A.B. (University of Michigan)  
*Field of Specialization: Economics*
- Barton Joel Michelson, Columbus  
B.A.  
*Field of Specialization: Political Science*
- Robbie LeRoy Miller, Westerville  
B.S. in Edu.  
*Field of Specialization: Education*
- Thomas Zoilo Miranda, Gary, Ind.  
B.S. in Ed. (Saint Joseph's College,  
Indiana)  
*Field of Specialization: English (TESOL)*

Donald LaClendon Mixon, Dayton  
B.S. Edu. (Central State College)  
*Field of Specialization: Education*

John Anthony Montefusco, Gahanna  
B.A. (City College, New York)  
*Field of Specialization: Political Science*

Shane Robert Moriarity, Gilbert, Minn.  
B.S. (University of Minnesota)  
*Field of Specialization: Accounting*

Julia Daly Morris, Columbus  
B.A.  
*Field of Specialization: Romance Languages*

George Michael Mudrie, Glouster  
A.B. (Ohio University)  
*Field of Specialization: German*

Carol Anne Hudson Muldoon, West Point, Ga.  
B.A. (Mary Washington College)  
*Field of Specialization: German*

Diane Marie Mullen, Philadelphia, Pa.  
A.B. (Temple University)  
*Field of Specialization: English*

Thomas Byron Munson, Charleston, Ill.  
B.A.  
*Field of Specialization: Sociology*

Roger Allen Myers, Tiffin  
B.A. in Jour.  
*Field of Specialization: Journalism*

William Lawrence Myers, Opelousas, La.  
B.S. (Northwestern State College of Louisiana)  
*Field of Specialization: Physical Education*

Jane Ann Neutzling, Newark  
B.A. (Bowling Green State University)  
*Field of Specialization: German*

Joanell Neutzling, Newark  
B.A. (Bowling Green State University)  
*Field of Specialization: German*

Cyrus Barnholt Nicholas, Jr., Cleveland  
B.A.  
*Field of Specialization: Art*

Hazel Stine Nicklaus, Columbus  
B.S. (Carnegie-Melon University)  
*Field of Specialization: Education*

Young-Sim Lee Oh, Columbus  
B.A. (Ewha Womans University, Seoul, Korea)  
*Field of Specialization: Education*

Caroline Lunn Ohnsman, Marysville  
B.S. in H.E.  
*Field of Specialization: Education*

Hisako Kinoshita Okuda, Hiroshima, Japan  
B.A. (Yokohama City University)  
*Field of Specialization: English (TESOL)*

Mathew Pasquale, Jr., Euclid  
B.S. in Edu.  
*Field of Specialization: Education*

David Boyd Payne, Columbus  
B.A., B.S. in Edu.  
*Field of Specialization: Education*

Frank Mervyn Pees, Belle Center  
B.S. in Edu.  
*Field of Specialization: Education*

Dany Bernard Perramond, Delaware  
*Field of Specialization: Romance Languages*

Thomas Clifford Phillips, Columbus  
B.S. (Otterbein College)  
*Field of Specialization: Education*

James Ronald Phipps, Cedarville  
B.A. (Cedarville College)  
*Field of Specialization: Speech*

Roger Omar Pond, Scott  
B.S. in Edu.  
*Field of Specialization: Education*

David Deas Sinkler Poor, Washington, D. C.  
A.B. (Harvard University)  
*Field of Specialization: Psychology*

Jeffrey Michael Price, Lorain  
B.A.  
*Field of Specialization: Journalism*

Mary Kathleen Quigley, Cleveland  
B.S. in Soc. Studies (Nazareth College)  
*Field of Specialization: History*

Donald Louis Raiff, Dayton  
B.S. B.A. (University of Dayton)  
*Field of Specialization: Economics*

Judith Karen Rehn, Orangevale, Calif.  
B.A. (Cedarville College)  
*Field of Specialization: Speech*

Arlene Cutshall Rengert, Lombard, Ill.  
A.B. (Indiana University)  
*Field of Specialization: Geography*

William Charles Rennagel, Bradenton, Fla.  
B.S. (United States Military Academy)  
*Field of Specialization: Political Science*

Gabriel Nicholas Repassy, Lorain  
B.A.  
*Field of Specialization: Education*

John Rettos, Coshocton  
B.S. in Edu.  
*Field of Specialization: Education*

Zelpha Cecile Rexroad, Carroll  
B.S. Ed. (Ohio University)  
*Field of Specialization: Education*

Elizabeth Morris Richmond, Columbus  
A.B. (Ohio University)  
*Field of Specialization: Education*

Elsa Gomez Rico, Bogota, Colombia  
*Field of Specialization: Sociology*

Katherine Drew Riechard, Troy, Mo.  
B.S. in Edu.  
*Field of Specialization: Education*

Mary Louise Ringle, Tiffin  
B.A. in Jour.  
*Field of Specialization: Journalism*

James Dwight Ripley, Rockford  
B.A.  
*Field of Specialization: Journalism*

Beverly Ann Rising, Columbia Station  
B.S. in Edu.  
*Field of Specialization: Romance Languages*

Larry Martin Roberts, Thornville  
B.S. in Edu.  
*Field of Specialization: Education*

George Howard Rogerson, Columbus  
B.A. (College of Puget Sound)  
*Field of Specialization: Political Science*

Louella Louise Romero, Pueblo, Colo.  
B.A. (Southern Colorado State College)  
*Field of Specialization: Physical Education*

Eldria Mae Rowland, Columbus  
B.S. in Edu. (Wilmington College)  
*Field of Specialization: Education*

Marilyn Bracken Ruckman, Columbus  
B.S. in Educ. (Kent State University)  
*Field of Specialization: Education*

Maureen Judith Samp, Maple Heights  
B.S.E. (Saint John College of Cleveland)  
*Field of Specialization: Education*

- Margaret Ann Sampson, Cedarville  
B.S. in Educ. (Central State College  
*Field of Specialization: Romance Languages*
- Jutta Schroers Sanford, Columbus  
B.A. (University of Maryland)  
*Field of Specialization: History*
- Lauralee Sawyer, Cincinnati  
A.B. (University of Cincinnati)  
*Field of Specialization: Journalism*
- John Henry Scharf, Cambria Heights, N. Y.  
B.A. (Cathedral College of the Immaculate Conception)  
*Field of Specialization: Philosophy*
- Paula Luntz Schneiderman, Columbus  
B.S. (University of Minnesota)  
*Field of Specialization: Education*
- Virginia Ellen Schott, Columbus  
B.A. (Otterbein College)  
*Field of Specialization: Journalism*
- Robert Ernest Scott, Columbus  
B.S.Ed. (Capital University)  
*Field of Specialization: Education*
- Stanley Selinger, Brooklyn, N. Y.  
B.A. (City College, New York)  
*Field of Specialization: Psychology*
- Margaret Early Shrewsbury, Gahanna  
A.B. (West Virginia University)  
*Field of Specialization: Speech*
- Larry Russel Snyder, Dayton  
B.S. in Edu.  
*Field of Specialization: History*
- Louis Bryan Snyder, Westerville  
B.S. Ed. (Miami University)  
*Field of Specialization: Education*
- Judith Alicia Spencer, Batavia, N. Y.  
B.A. (Goddard College)  
*Field of Specialization: Anthropology*
- Cheryl Ann Stanley, Washington, D. C.  
B.A. (University of Colorado)  
*Field of Specialization: Romance Languages*
- Jaris Stern, New Hyde Park, N. Y.  
B.A. (State University of New York at Buffalo)  
*Field of Specialization: Psychology*
- Rosalee Sukosd, East Canton  
B.S. in Edu.  
*Field of Specialization: Education*
- Diana Theresa Szurlej, Linden, N.J.  
B.S.Ed. (Bowling Green State University)  
*Field of Specialization: Education*
- Jeanne Russell Taylor, Columbus  
B.S.Ed. (Capital University)  
*Field of Specialization: Education*
- Kerrick Steven Thompson, Westerville  
B.A.  
*Field of Specialization: Sociology*
- David Ernest Thorburn, Reno, Nev.  
B.S. (United States Air Force Academy)  
*Field of Specialization: Psychology*
- Margaret Brenneman Thut, Elida  
B.A. (Goshen College)  
*Field of Specialization: Education*
- Janet Love Tobin, Columbus  
B.S. in Ed. (Otterbein College)  
*Field of Specialization: Education*
- Donald Stanley Tompkins, Miami Beach, Fla.  
B.A. (Brooklyn College)  
*Field of Specialization: Psychology*
- Rebecca Ann Ulrich, Carrollton  
B.A. (Kent State University)  
*Field of Specialization: Education*
- Susan Kay Ulrich, Carrollton  
B.S.Ed. (Kent State University)  
*Field of Specialization: Physical Education*
- Kathleen Ficzeri Veith, Cleveland  
B.A. (DePauw University)  
*Field of Specialization: Journalism*
- Kathryn Babb Vossler, Keyser, W. Va.  
A.B. (West Virginia University)  
*Field of Specialization: History*
- Ralph Emerson Waldo, III, Columbus  
B.A.  
*Field of Specialization: Speech*
- William Owen Walker, III, Columbus  
B.A.  
*Field of Specialization: History*
- Linda Hoover Watkins, Harrisonburg, Va.  
B.Mus.  
*Field of Specialization: Music*
- Stuart James Watts, Columbus  
A.B. (Western Kentucky State College)  
*Field of Specialization: Education*
- Janet Lynn Weathers, Stillwater, Okla.  
B.A. (Oklahoma State University of Agriculture and Applied Science)  
*Field of Specialization: English*
- Benita Carol Weber, Lakehurst, N. J.  
B.A. (Monmouth College, New Jersey)  
*Field of Specialization: Education*
- Regina Marie Weilbacher, Columbus  
B.S.Ed. (Ohio University)  
*Field of Specialization: Education*
- James Lee Wilder, Galion  
B.S. in Edu.  
*Field of Specialization: Political Science*
- Dorothy McConnell Wilkinson, Zanesville  
B.S.Ed. (Ohio University)  
*Field of Specialization: Education*
- James Evan Williams, Branch Hill  
B.S. in Edu.  
*Field of Specialization: History*
- Denver Elbert Wilson, Crestline  
B.S. (Morris Harvey College)  
*Field of Specialization: Education*
- Helen Neverman Wilson, Columbus  
B.S. (Iowa State University)  
*Field of Specialization: Education*
- Rachel Lucille Wilson, Cincinnati  
B.A. (Marietta College)  
*Field of Specialization: Art*
- Stephen Bowers Wilson, Columbus  
B.S.  
*Field of Specialization: Education*
- Nora Winay, Long Valley, N. J.  
A.B. (Rutgers-The State University)  
*Field of Specialization: German*
- Nancy Jeanne Wunderlich, Columbus  
B.S. in Edu.  
*Field of Specialization: Classics*
- Millicent Jo Yarussi, Columbus  
B.S. in Edu. (Indiana University of Pennsylvania)  
*Field of Specialization: Education*
- Celia Colburn Yohman, Beacon Falls, Conn.  
B.S. (Southern Connecticut State College)  
*Field of Specialization: Art*
- Karen Zaugg, Mansfield  
B.A. (Wittenberg University)  
*Field of Specialization: English*
- Linda Alice Zenar, Kent  
B.S. in Edu.  
*Field of Specialization: Education*

### **Master of Business Administration**

Twenty-eight candidates

Peter John Andrews, Toronto, Ont.,  
Canada

B.A. (University of Toronto)  
*Field of Specialization:* Business  
Organization

Roger Keith Ballard, Westerville  
B.S. in Bus. Ad. (Franklin  
University)  
*Field of Specialization:* Business  
Organization

Edgar James Barthel, Centerville  
B.S. (E.E.) (Louisiana State  
University)  
*Field of Specialization:* Business  
Organization

Walter Burkhard Bauer, Urbana  
B.S. (Capital University)  
*Field of Specialization:* Business  
Organization

Robert Thornhill Benedict,  
Chappaqua, N. Y.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Business  
Organization

Jean Teresa Bish, Meriden, Conn.  
B.S. (University of Hartford)  
*Field of Specialization:* Business  
Organization

Alice Lynn Bond, Akron  
B.S. in Bus. Adm. (Miami University)  
*Field of Specialization:* Business  
Organization

Paul Leo Brunswick, Greenville  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Asbury Ladimir Burgin, Columbus  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Lloyd Stanley Foight, Mt. Vernon  
B.S. (United States Military  
Academy)  
*Field of Specialization:* Business  
Organization

Paul Emile Godbout, South Bend, Ind.  
B.B.A. (University of Notre Dame)  
*Field of Specialization:* Business  
Organization

Stuart Mattis Goldman, Shaker  
Heights  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Lawrence Harris Green, Columbus  
B.Ch.E.  
*Field of Specialization:* Business  
Organization

Robert Edward Hawthorne, Bay  
Village  
B.A. (Wittenberg University)  
*Field of Specialization:* Business  
Organization

Thomas Andrew Heretta, Canton  
B.Arch.  
*Field of Specialization:* Business  
Organization

William Harrison Furlong Howard,  
Fairborn  
B.S. (United States Air Force  
Academy)  
*Field of Specialization:* Business  
Organization

David Blair Jemison, Reynoldsburg  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Guenter Friedrich Meier, Circleville  
Ph.D. (Indiana University)  
*Field of Specialization:* Business  
Organization

Allen Leon Netzley, Laura  
B.S. in Bus. Adm. (University of  
Dayton)  
*Field of Specialization:* Business  
Organization

Richard Kenworthy Rentz, Marion  
B.S. (Ohio University)  
*Field of Specialization:* Business  
Organization

James Albert Rigby, Newton Falls  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Thomas Richard Severns, Cambridge  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Ramesh W. Shahani, Columbus  
B.S. Mech. E. (Michigan College of  
Mining and Technology); M.S.M.E.  
(University of Akron)  
*Field of Specialization:* Business  
Organization

Gerald Spero, Cleveland  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

James Phillip Werbel, Marion  
B.A. (Ohio Wesleyan University)  
*Field of Specialization:* Business  
Organization

Robert Benjamin Wilson, Columbus  
B.S.  
*Field of Specialization:* Business  
Organization

William Gregory Wotschak, Columbus  
B.S. in Bus. Adm.  
*Field of Specialization:* Business  
Organization

Joseph Anthony Wray, Columbus  
B.S., M.S. (Syracuse University)  
*Field of Specialization:* Business  
Organization

### **Master of City Planning**

One candidate

James Richard Pfalzer, Louisville,  
Ky.  
B.C.E. (University of Louisville);  
M.S.  
*Field of Specialization:* City and  
Regional Planning

### **Master of Fine Arts**

Seven candidates

David Franklin Armstrong, Bucyrus  
B.F.A., B.A.  
*Field of Specialization:* Fine Arts  
(Painting)

Bruce Randal Bishop, Columbus  
B.S. in Edu., B.F.A.  
*Field of Specialization:* Fine Arts  
(Painting)

Barbara Tapper Freilich, Columbus  
B.F.A.  
*Field of Specialization:* Fine Arts  
(Painting)

George Lynn Hageman, Springfield  
B.S. in Educ., M.A. (Bowling Green  
State University)  
*Field of Specialization:* Fine Arts  
(Ceramics)

Stanley Allen Kaufman, Berlin  
B.A. (Goshen College)  
*Field of Specialization:* Fine Arts  
(Graphics)

Myrwood Barton Sutton, New  
Philadelphia  
B.F.A.  
*Field of Specialization:* Fine Arts  
(Sculpture)

Clinton Evan Thornton, Norman,  
Okla.  
B.A. in Ed. (Northeastern State  
College)  
*Field of Specialization:* Fine Arts  
(Ceramics)

**Master of Music**

Two candidates

Ladd Harold McIntosh, Clinton  
B. Mus.  
*Field of Specialization:* Music

Louise Ellen Speck, Dalton  
B. Mus. (Union College)  
*Field of Specialization:* Music

**Master of Science**

One hundred and seventy-six candidates

Hamid Aberi, Tehran, Iran  
B.S. (Wisconsin State University)  
*Field of Specialization:* Computer and Information Science

Oluoyomi Ayodeji Adeyemi-Wilson, Lagos, Nigeria  
B.S. (Washington University)  
*Field of Specialization:* Mechanical Engineering

James Neal Ahmann, Nevada  
B.S. (United States Air Force Academy)  
*Field of Specialization:* Industrial Engineering

Robert Minter Alexander, Northport, Ala.  
B.S. (United States Air Force Academy)  
*Field of Specialization:* Physics

John Oliver Amoss, Fallston, Md.  
B.S.E.E. (University of Maryland)  
*Field of Specialization:* Electrical Engineering

Harold Lee Arnette, Columbus  
B.S.  
*Field of Specialization:* Computer and Information Science

Kitipol Asaparporn, Bangkok, Thailand  
B.E. (Chulalongkorn University)  
*Field of Specialization:* Civil Engineering

Kenneth Alan Astbury, Wilton, Conn.  
B.S. (Carnegie-Mellon University)  
*Field of Specialization:* Mathematics

Chung Moo Auh, Seoul, Korea  
B.S. (Ohio University)  
*Field of Specialization:* Chemical Engineering

Paul Leo Clifton Bayless, West Mansfield  
B.I.E.  
*Field of Specialization:* Industrial Engineering

Ronald Roy Bellamy, Fanwood, N. J.  
B.S. in Ch. E. (Lehigh University)  
*Field of Specialization:* Nuclear Engineering

Ralph Howard Berglund, Kansas City, Mo.  
B.S. in M.E. (University of Missouri at Rolla)  
*Field of Specialization:* Metallurgical Engineering

Donald James Billmaier, Columbus  
B.S. (University of Toledo); M.D.  
*Field of Specialization:* Preventive Medicine

Morris Tippins Bird, Columbus  
A.B., M.D. (Emory University)  
*Field of Specialization:* Medicine

Roy Ernest Booth, Neptune City, N. J.  
B.S. (Rutgers-The State University)  
*Field of Specialization:* Ceramic Engineering

John Bostjancich, Oak Park, Ill.  
B.A. (Carleton College)  
*Field of Specialization:* Mathematics

Charles Hathaway Bowers, Oxford  
B.S. (United States Naval Academy)  
*Field of Specialization:* Nuclear Engineering

Jane Marilyn Brown, Philadelphia, Pa.  
B.S. (Eastern Nazarene College)  
*Field of Specialization:* Computer and Information Science

Richard Dean Brown, Mansfield  
B.A. (Columbia Union College)  
*Field of Specialization:* Zoology

John Cyril Burke, Beloit, Wis.  
B.S. (University of Wisconsin)  
*Field of Specialization:* Mathematics

John Garfield Burt, Louisville, Ky.  
B.A. (Hanover College); M.S. (Miami University)  
*Field of Specialization:* Nuclear Engineering

Peter Brian Carroll, Toledo  
D.D.S.  
*Field of Specialization:* Dentistry

John Timothy Cavanaugh, Columbus  
B.S.E.E. (George Washington University)  
*Field of Specialization:* Electrical Engineering

Channarong Chantanavarangkoon, Bangkok, Thailand  
B.E. (Chulalongkorn University)  
*Field of Specialization:* Civil Engineering

Ramon Con Woo Chea, Jr., San Pedro de Macoris, Dominican Republic  
B.S. (University of Wisconsin)  
*Field of Specialization:* Electrical Engineering

Brion Frank Cherock, Tyrone, N. Y.  
B.S. (Saint Bonaventure University)  
*Field of Specialization:* Mathematics

Charles Edwin Chittenden, Columbus  
B.A.  
*Field of Specialization:* Mathematics

Larry Dean Clark, Lakewood  
B.S. (University of Southern Mississippi)  
*Field of Specialization:* Industrial Engineering

\*Doyle Raymond Clear, Jr., Waterville  
*Field of Specialization:* Civil Engineering

Florence Carroll Conklin, Columbus  
B.S. in Edu. (Northeast Missouri State College)  
*Field of Specialization:* Home Economics

Stephen Kay Conner, Dayton  
B.S. (United States Air Force Academy)  
*Field of Specialization:* Industrial Engineering

Philip Bennet Corn, Chicago, Ill.  
B.S. (University of Chicago)  
*Field of Specialization:* Physics

Darryl John Costin, Lorain  
B.S. (Case Western Reserve University)  
*Field of Specialization:* Metallurgical Engineering

James Lee Cottrill, Columbus  
A.B. (West Virginia University)  
*Field of Specialization:* Computer and Information Science

Thomas Earl Croley, II, Worthington  
B.C.E.  
*Field of Specialization:* Civil Engineering

Thomas Richard Danford, Bellaire  
B.S.  
*Field of Specialization:* Microbiology

Sidney Owen Davis, Yellow Springs  
B.S. (Tennessee Agricultural and Industrial State University)  
*Field of Specialization:* Metallurgical Engineering

\* Also Bachelor of Civil Engineering, College of Engineering

William Wallace Davis, Columbus  
B.S.E.E. (University of Nebraska)  
*Field of Specialization:* Computer and  
Information Science

Elmer Dalton Dean, Ashville  
B.S. in Agr.  
*Field of Specialization:* Agricultural  
Education

Thomas Albert DeFanti, Woodside,  
N. Y.  
B.A. (Queens College)  
*Field of Specialization:* Computer  
and Information Science

Louis John DeHayes, Jr., Midlothian,  
Ill.  
A.B. (University of Illinois)  
*Field of Specialization:* Chemistry

Anne Leslie Drazen, Endwell, N. Y.  
B.S. (Syracuse University)  
*Field of Specialization:* Computer and  
Information Science

James Moody Ellis, Eminence, Ky.  
B.S.M.E. (University of Kentucky)  
*Field of Specialization:* Metallurgical  
Engineering

Ahmed Nabil Abdallah El-Refai,  
Giza, Egypt  
B.Sc. (Ain Shams University)  
*Field of Specialization:* Civil  
Engineering

William Dale Farmer, Columbus  
B.S. (Colorado State University)  
*Field of Specialization:* Mathematics

Robert Earl Forbes, Lima, N. Y.  
B.C.E. (Auburn University)  
*Field of Specialization:* Civil  
Engineering

James Berry Ford, Youngstown  
B.S. (Case Western Reserve  
University)  
*Field of Specialization:* Metallurgical  
Engineering

Gerald David Fritz, Columbus  
B.S.E.E. (Drexel Institute of  
Technology)  
*Field of Specialization:* Electrical  
Engineering

Mark Stanley Gerber, St. Paul, Minn.  
B.S. (Worcester Polytechnic  
Institute)  
*Field of Specialization:* Nuclear  
Engineering

John George Gergen, Hyattsville, Md.  
B.Eng. (Mining Institute  
Bucharest, Rumania)  
*Field of Specialization:* Geodetic  
Science

Tamar Jane Gilson, Columbus  
B.S. in Nurs.  
*Field of Specialization:* Nursing

Edward Leonard Gliatti, Dayton  
B.S.E.P. (University of Toledo)  
*Field of Specialization:* Electrical  
Engineering

Suat Hun Go, Hastings-on-Hudson,  
N. Y.  
B.S. Ch.Engr. (Mapua Institute of  
Technology, Philippines)  
*Field of Specialization:* Mathematics

Donald Allen Goer, Brooklyn, N. Y.  
B.S. (Brooklyn College)  
*Field of Specialization:* Physics

\*David Michael Good, Huntington,  
W. Va.  
*Field of Specialization:* Civil  
Engineering

Robert Gerald Govenar, Marblehead,  
Mass.  
B.S.C.E. (University of  
Massachusetts)  
*Field of Specialization:* Nuclear  
Engineering

Robert Allan Grahl, Columbus  
A.B. (Capital University);  
B.D. (Evangelical Lutheran  
Theological Seminary)  
*Field of Specialization:* Mathematics

Robert William Hall, Columbus  
B.S. in Agr.  
*Field of Specialization:* Dairy  
Science

Kent Nolan Haralson, Black River  
Falls, Wis.  
B.S. (Wisconsin State University at  
Stevens Point)  
*Field of Specialization:* Computer  
and Information Science

Jeremy Markham Harris,  
Worthington  
B.A. (Wesleyan University);  
B.S.M.E. (Michigan College of  
Mining and Technology)  
*Field of Specialization:* Mechanical  
Engineering

Walter Allan Hasenmueller, Berea  
B.S. (Baldwin-Wallace College)  
*Field of Specialization:* Geology

\*\*Donald Herbert Hauenstein, Jr.,  
Massillon  
*Field of Specialization:* Industrial  
Engineering

Donald Andrew Hayes, Columbus  
B.A.A.E.  
*Field of Specialization:* Engineering  
Mechanics

John Leslie Henderson, Charlotte,  
N. C.  
B.S. (University of North Carolina  
at Charlotte)  
*Field of Specialization:* Computer  
and Information Science

Sarah Wing Higley, Reynoldsburg  
D.V.M.  
*Field of Specialization:* Microbiology

Richard Farver Hilbert, Columbus  
B.S. (San Jose State College)  
*Field of Specialization:* Metallurgical  
Engineering

Larry Lee Hipp, Granville  
B.S., M.D.  
*Field of Specialization:* Preventive  
Medicine

Kent Frank Hoddick, New London  
B.S. (Agr.) (Ohio University)  
*Field of Specialization:* Agricultural  
Economics and Rural Sociology

Vivian Cornelia Hogan, Norfolk, Va.  
B.S. (Virginia State College)  
*Field of Specialization:* Microbiology

John Frank Holland, Cleveland  
Heights  
B.E.E.  
*Field of Specialization:* Electrical  
Engineering

Jan Holm, Montreal, Que., Canada  
*Field of Specialization:* Preventive  
Medicine

Stuart Irwin Holtzman, Columbus  
B.A. (Washington and Jefferson  
College); M.D. (Northwestern  
University)  
*Field of Specialization:* Preventive  
Medicine

Peter Tak-Cheung Hon, Berkeley,  
Calif.  
B.A. (University of Oregon)  
*Field of Specialization:* Mathematics

Robert Joseph Horen, Philadelphia,  
Pa.  
B.S. (Pennsylvania State University)  
*Field of Specialization:* Electrical  
Engineering

Martin Feng-Tso Huang, Taipei,  
Taiwan  
B.S. (Chung Yuan Christian College  
of Science and Engineering);  
M.S. (College of Chinese Culture)  
*Field of Specialization:* Civil  
Engineering

\* Also Bachelor of Civil Engineering,  
College of Engineering

\*\* Also Bachelor of Industrial Engineering,  
College of Engineering

Victor Anthony Henda, Columbus  
B.S.E.E. (Case Western Reserve  
University)  
*Field of Specialization:* Electrical  
Engineering

Glenn Warren Ingram, Houston, Del.  
B.E.E., B.M.E. (University of  
Delaware)  
*Field of Specialization:* Electrical  
Engineering

Stephen Ernest Jacobson, Nevada, Ia.  
B.S. (Iowa State University)  
*Field of Specialization:* Chemistry

Madalyn Jo Jarus, Cleveland  
A.B. (Ursuline College)  
*Field of Specialization:* Home  
Economics

Brian Roy Johnson, Toledo  
B.S. (Mount Union College)  
*Field of Specialization:* Physiology

Robert Hampton Johnson, Kettering  
M.E. (University of Cincinnati)  
*Field of Specialization:* Mechanical  
Engineering

\*\*\*Robert Keith Jones, Benton Ridge  
*Field of Specialization:* Physics

Eric Richard Jurrus, Findlay  
B.S. (Valparaiso University)  
*Field of Specialization:* Physiology

Mihkel Kangilaski, Columbus  
B. Met. E.  
*Field of Specialization:* Metallurgical  
Engineering

\*\*Jay Ansel Kaplan, Canton  
*Field of Specialization:* Chemical  
Engineering

Harold Steven Kaser, Coshocton  
B.S. (Muskingum College)  
*Field of Specialization:* Zoology

Philip Michael Kazemsky, Ansonia,  
Conn.  
B.S. (Worcester Polytechnic  
Institute)  
*Field of Specialization:* Nuclear  
Engineering

Jean Wootton Kincaid, Johnstown  
B.S. in Rest. Mgt.  
*Field of Specialization:* Home  
Economics

Nelson Harward Kraus, Delaware  
B.S.  
*Field of Specialization:* Anatomy

Charles Richard Krause, Delaware  
B.S.  
*Field of Specialization:* Entomology

William Joseph Kuehnle, Jr., Fair  
Lawn, N. J.  
B.S. (Saint Bonaventure University)  
*Field of Specialization:* Computer and  
Information Science

\*William Elmer Kunkle, Alvordton  
*Field of Specialization:* Animal  
Science

Sally Ann Lambert, Cleveland  
B.S. in Nurs.  
*Field of Specialization:* Nursing

Herbert Richard Lander, Jr., Dayton  
B. Chem. Engr. (University of  
Dayton)  
*Field of Specialization:* Chemical  
Engineering

Carolyn Wolfe Lay, Columbus  
B.S. (Med. Tech.) (West Virginia  
University)  
*Field of Specialization:* Pathology

Eugene Barry Leiderman, Adelphi,  
Md.  
B.A., M.L.S. (University of  
Maryland)  
*Field of Specialization:* Computer and  
Information Science

Linda Lou Leis, Farmersville  
A.B. (Heidelberg College)  
*Field of Specialization:* Home  
Economics

Walter Oleh Leshniowsky, Cleveland  
B.S. (Kent State University)  
*Field of Specialization:* Microbiology

Robert Lee Levy, Columbus  
B.S.  
*Field of Specialization:* Microbiology

Shiu-Ho Chen Lin, Taipei, Taiwan  
B.S. in Pharm. (National Taiwan  
University)  
*Field of Specialization:* Pathology

Linda Valonen Lundgren, Columbus  
B.A. (University of Massachusetts)  
*Field of Specialization:* Zoology

Daniel Joseph Martin, Columbus  
B.S. (Villanova University);  
M.D. (University of Missouri)  
*Field of Specialization:* Psychiatry

David Francis Maune, Marthasville,  
Mo.  
B.S.M.E. (University of Missouri)  
*Field of Specialization:* Geodetic  
Science

Roger Earl McCay, Reynoldsburg  
B.S. For. (Iowa State University)  
*Field of Specialization:* Agricultural  
Economics and Rural Sociology

Lynne Stover McCullough, Columbus  
B.A., M.D.  
*Field of Specialization:* Anesthesiology

Robert Benning McWilliams,  
Columbus  
D.D.S.  
*Field of Specialization:* Dentistry

Peter Ludwig Meitner, Columbus  
B.A.A.E.  
*Field of Specialization:* Aeronautical  
and Astronautical Engineering

Roberto Merletti, Torino, Italy  
*Field of Specialization:* Electrical  
Engineering

\*Ioannis Michael, Limassol, Cyprus  
*Field of Specialization:* Entomology

David John Milbrodt, Oak Harbor  
B.S. (Capital University)  
*Field of Specialization:* Computer and  
Information Science

Elizabeth Cole Moloney, Mentor  
B.S. in Edu.  
*Field of Specialization:* Home  
Economics

James Peter Mondzelewski, Cleveland  
B.S. (University of Dayton)  
*Field of Specialization:* Physics

Lesley Joyce Montgomery, Westland,  
Mich.  
B.S. in Nurs.  
*Field of Specialization:* Nursing

Carole Anne Mutch, Youngstown  
B.S.  
*Field of Specialization:* Botany

Daniel Edward Nemzer, Worthington  
B.S. (California Institute of  
Technology)  
*Field of Specialization:* Mathematics

Edward Howard Newman, University  
Heights  
B.E.E.  
*Field of Specialization:* Electrical  
Engineering

\* Also Bachelor of Science in Agriculture,  
College of Agriculture and Home Economics  
\*\* Also Bachelor of Science in Physics,  
College of Engineering  
\*\* Also Bachelor of Chemical Engineering,  
College of Engineering

Donna Marguerite Nowell, El Paso, Tex.  
B.S. (Texas Western College)  
*Field of Specialization*: Computer and Information Science

Sarah Ann Nunneley, Minneapolis, Minn.  
A.B. (Mount Holyoke College);  
M.D. (University of Minnesota)  
*Field of Specialization*: Preventive Medicine

Joseph Paul Okang, Accra, Ghana  
B.S. (University of Science and Technology, Ghana)  
*Field of Specialization*: Geodetic Science

Prabhakar Harihar Pathak, Santa Cruz, India  
B.S. (University of Bombay);  
B.S. (Louisiana State University)  
*Field of Specialization*: Electrical Engineering

Ludvik Pfeifer, Topeka, Kansas  
B.S.  
*Field of Specialization*: Geodetic Science

Richard Francis Phares, Palisades, Neb.  
B.S. (Colorado State University)  
*Field of Specialization*: Computer and Information Science

Gail Katherine Phillips, Muncie Ind.  
B.S. (Ball State University)  
*Field of Specialization*: Mathematics

William Charles Phillips, Jr., Bedford B.E.E.  
*Field of Specialization*: Electrical Engineering

Joseph Matthew Plecnik, New Middletown  
B.E. (Youngstown State University)  
*Field of Specialization*: Civil Engineering

Cynthia Ann Pound, Newark  
B.S.  
*Field of Specialization*: Mathematics

Peter Michael Pronych, Halifax, N. S., Canada  
B.A. (University of Saskatchewan);  
D.D.S. (Dalhousie University)  
*Field of Specialization*: Dentistry

Ragothama Prahada Rao, Mysore, India  
B.S., M.S. (University of Mysore)  
*Field of Specialization*: Geology

\*James Philip Rheinfrank, Columbus  
*Field of Specialization*: Aeronautical and Astronautical Engineering

Glenn Eldon Richard, Columbus  
D.D.S. (University of Tennessee)  
*Field of Specialization*: Dentistry

Jaime Ignacio Roa, Bogota, Colombia  
Ing. Civil (Pontifical University Catholic Javeriana)  
*Field of Specialization*: Civil Engineering

David Russell Robinson, Worthington B.S.  
*Field of Specialization*: Geodetic Science

Glenn William Roe, Omaha, Neb.  
B.S. in Agr. (University of Nebraska)  
*Field of Specialization*: Dairy Technology

Luis Alipio Roman-Ruiz, Ponce, P. R.  
D.D.S. (University of Maryland)  
*Field of Specialization*: Dentistry

Alan Robert Romans, Baton Rouge, La.  
D.D.S. (University of Tennessee)  
*Field of Specialization*: Dentistry

Edward Leslie Rowan, Columbus A.B. (Yale University);  
M.D. (State University of New York, Downstate Medical Center, Brooklyn)  
*Field of Specialization*: Psychiatry

\*\*Ronald Gordon Rule, Columbus  
*Field of Specialization*: Electrical Engineering

Steven Edward Russell, Newcomerstown  
B.Ch.E.  
*Field of Specialization*: Chemical Engineering

James Hershel Saling, Hilliard B.S. (Muhlenberg College)  
*Field of Specialization*: Nuclear Engineering

Mahintorn Sastri, Bangkok, Thailand  
B.Eng. (Chulalongkorn University)  
*Field of Specialization*: Civil Engineering

Steven Ross Schelkun, Troy  
B.A. (Ohio Wesleyan University)  
*Field of Specialization*: Anatomy

Joseph Anthony Schneider, Warren, Mich.  
D.D.S. (University of Michigan)  
*Field of Specialization*: Dentistry

Ann Bertha Scrandis, Richmond Hill, N. Y.  
B.S. (City College, New York)  
*Field of Specialization*: Mathematics

Donald James Shade, Garfield Heights B.Met.E.  
*Field of Specialization*: Metallurgical Engineering

\*\*\*Willard Norman Shade, Jr., Attica  
*Field of Specialization*: Mechanical Engineering

Krishan Kumar Sharma, Gouard Mission, Alta., Canada  
B.S. (Punjab University);  
M.S. (University of Saskatchewan)  
*Field of Specialization*: Dairy Technology

Thomas Edward Shirley, Texas City, Tex.  
B.S. (Lafayette College)  
*Field of Specialization*: Physics

Dennis Hess Shreve, Woodfield B.E.E.  
*Field of Specialization*: Electrical Engineering

Sonya Miriam Shultz, Warren B.S. in Phar.  
*Field of Specialization*: Pharmacy

Shirley Faye Smith, Reynoldsburg B.S. in Nurs.  
*Field of Specialization*: Nursing

William Dwight Snider, Hebron B.S. (Case Western Reserve University)  
*Field of Specialization*: Electrical Engineering

Donald Morris Sovine, Fairborn B.S. in Ed. (Wilmington College)  
*Field of Specialization*: Electrical Engineering

Lawrence Earl Stolz, Cincinnati B.S. (Xavier University)  
*Field of Specialization*: Mathematics

Timothy Arthur Sullivan, Columbus B. Cer. E.  
*Field of Specialization*: Ceramic Engineering

\* Also Bachelor of Aeronautical and Astronautical Engineering, College of Engineering  
\*\* Also Bachelor of Electrical Engineering, College of Engineering  
\*\*\* Also Bachelor of Mechanical Engineering, College of Engineering



William Edward Supp, Xenia  
B.S. (Rose Polytechnic Institute)  
*Field of Specialization:* Mechanical Engineering

Norma Lu Svatos, Cleveland Heights  
B.S. in Nurs.  
*Field of Specialization:* Nursing

Prashant Vijai Talwar, Kampala, Uganda  
B. E. (University of Mysore, India)  
*Field of Specialization:* Electrical Engineering

Hisatoshi Tanaka, Sasebo, Japan  
D.D.S. (Kyushu Dental College)  
*Field of Specialization:* Dentistry

Allen Max Tepper, Chicago, Ill.  
B.S. (University of Illinois)  
*Field of Specialization:* Electrical Engineering

\*James Arthur Thomas, Cincinnati  
B.S.  
*Field of Specialization:* Pharmacology

Ronald Duane Trusty, Panama City, Fla.  
B.S. Pharm. (Drake University)  
*Field of Specialization:* Pharmacy

Marjorie Kay Unklesbay, Columbia, Mo.  
A.B. (University of Missouri)  
*Field of Specialization:* Computer and Information Science

Mary Fuller VanBuskirk, Columbus  
B.S. in H.E.  
*Field of Specialization:* Home Economics

\*\*Marvin Kenneth Vander Kooi, Columbus  
*Field of Specialization:* Electrical Engineering

Guy Vivian Vaughn, Corona, Calif.  
B.S. (Louisiana State University and Agricultural and Mechanical College)  
*Field of Specialization:* Electrical Engineering

Thomas James Vos, Holdingford, Minn.  
B.S. (University of Notre Dame)  
*Field of Specialization:* Electrical Engineering

Barbara Little Votaw, Bakersfield, Calif.  
B.S. (University of Denver)  
*Field of Specialization:* Mathematics

Stephen Leslie Warren, Louisville, Ky.  
B.E.E. (University of Louisville)  
*Field of Specialization:* Electrical Engineering

Steven Henry Williams, Croton  
B.S. (Muskingum College)  
*Field of Specialization:* Chemistry

Douglas Marshall Winkeljohn, Columbus  
B.S. in Aero. Engr. (Purdue University)  
*Field of Specialization:* Aeronautical and Astronautical Engineering

Byron Richard Wisner, Columbus  
D.D.S. (Marquette University)  
*Field of Specialization:* Dentistry

Chin-wen Wu, Taipei, Taiwan  
B.S. (Washington State University)  
*Field of Specialization:* Mechanical Engineering

Carol Elizabeth Young, Louisville, Ky.  
B.A. (University of Louisville)  
*Field of Specialization:* Computer and Information Science

Michael Steven Youshak, Huntsburg  
D.V.M.  
*Field of Specialization:* Veterinary Pathology

Francis Michael Yungfleisch, Columbus  
B.S.  
*Field of Specialization:* Chemistry

Barbara Ann Zimmerman, Dayton  
B.S. (University of Dayton)  
*Field of Specialization:* Computer and Information Science

#### **Master of Social Work** Eighty-three candidates

Priscilla May Alexander, Worthington  
B.A. (Wellesley College)  
*Field of Specialization:* Social Work

Barbara Ruth Aronoff, Baltimore, Md.  
B.A.  
*Field of Specialization:* Social Work

Hannah Hecht Barenbaum, Cincinnati  
B.A. (McGill University, Canada)  
*Field of Specialization:* Social Work

Mary Jo Baus, Lancaster  
A.B. (Ohio University)  
*Field of Specialization:* Social Work

Patricia Ann Bernard, Youngstown  
B.A. (Youngstown State University)  
*Field of Specialization:* Social Work

Ellen Steinberg Bloomfield, Cincinnati  
A.B. (University of Cincinnati)  
*Field of Specialization:* Social Work

Joseph Chiem Bluestein, Cincinnati  
A.B., A.M., B.S. (Ed.) (University of Cincinnati)  
*Field of Specialization:* Social Work

Ernestine Cynthia Brittingham, Lewes, Del.  
B.A. (Delaware State College)  
*Field of Specialization:* Social Work

Robert John Buchicchio, East Paterson, N. J.  
A.B. (University of Rhode Island)  
*Field of Specialization:* Social Work

Patricia Ann Burks, Ashtabula  
A.B. (Central State University)  
*Field of Specialization:* Social Work

Mary Kathleen Culbertson, Fort Thomas, Ky.  
B.S. Ed. (University of Cincinnati)  
*Field of Specialization:* Social Work

Stanley John Debiec, Jr., Columbus  
B.S. in Soc. Wel.  
*Field of Specialization:* Social Work

Freddie Lee DeCrescentis, Columbus  
B.S. (Southern Colorado State College)  
*Field of Specialization:* Social Work

Patricia Ann Dolan, Cincinnati  
A.B. (Thomas More College)  
*Field of Specialization:* Social Work

Rita Thorn Durand, Cincinnati  
B.S. (George Washington University)  
*Field of Specialization:* Social Work

Patricia Ann Eber, Cincinnati  
B.S. in Soc. Wel.  
*Field of Specialization:* Social Work

Samuel Edward Edge, Cincinnati  
B.A. (Alderson-Broadus College)  
*Field of Specialization:* Social Work

Raymond Francis Egan, Cincinnati  
B.A. (Athenaeum of Ohio)  
*Field of Specialization:* Social Work

Harold Stanley Eichenauer, Columbus  
B.S. (Bowling Green State University); B.D. (United Theological Seminary)  
*Field of Specialization:* Social Work

\* Also Doctor of Medicine, College of Medicine  
\*\* Also Bachelor of Electrical Engineering, College of Engineering

Catherine Elizabeth Elkins, River Forest, Ill.  
B.A. (Rosary College)  
*Field of Specialization: Social Work*

Sharon Joy English, Bedford  
B.A. (Eastern Nazarene College)  
*Field of Specialization: Social Work*

Jerry Martin Fleming, Dayton  
B.S. Ed. (Ohio University)  
*Field of Specialization: Social Work*

William Alfred Fortsch, New Hyde Park, N. Y.  
B.A.  
*Field of Specialization: Social Work*

Alan Stuart Foster, Westfield, N. J.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: Social Work*

John Joseph Franck, Cincinnati  
B.A., M.A. (University of Dayton)  
*Field of Specialization: Social Work*

Jennifer Jean Gamble, Rocky River  
B.S. (Purdue University)  
*Field of Specialization: Social Work*

Suzanne Evenson Gee, Worthington  
B.S. in H.E.  
*Field of Specialization: Social Work*

Mark Matthew Geisler, North Miami Beach, Fla.  
B.S. (Florida State University)  
*Field of Specialization: Social Work*

Patricia Chatten Gifford, Dayton  
B.A. (Texas Woman's University)  
*Field of Specialization: Social Work*

Larry Keith Goble, Erlanger, Ky.  
A.B. (Milligan College)  
*Field of Specialization: Social Work*

Marguerite DeAnn Greene, Charleston, S. C.  
A.B. (Johnson and Smith University)  
*Field of Specialization: Social Work*

Thomas James Hemming, Lancaster, Pa.  
A.B. (Grove City College)  
*Field of Specialization: Social Work*

Wayne Michael Holder, Albuquerque, N. M.  
B.S. (Wayland College)  
*Field of Specialization: Social Work*

Mary Kathryn Holzemer, Columbus  
B.A. (University of San Francisco)  
*Field of Specialization: Social Work*

Susan Metz Horn, Dayton  
A.B. (University of Miami)  
*Field of Specialization: Social Work*

Kathleen Lehigh James, Hanover, Pa.  
B.A. (Eastern Mennonite College)  
*Field of Specialization: Social Work*

Patricia Ann Jury, Columbus  
B.S. in Soc. Wel.  
*Field of Specialization: Social Work*

Judith Helen Kelly, Kenmore, N. Y.  
B.A. (Bowling Green State University)  
*Field of Specialization: Social Work*

Christine Joyce Krantz, Dover  
B.A. (Case Western Reserve University)  
*Field of Specialization: Social Work*

James Ellis Lantz, Columbus  
B.S. in Soc. Wel.  
*Field of Specialization: Social Work*

David Alan Lee, Cincinnati  
A.B. (University of Cincinnati)  
*Field of Specialization: Social Work*

Harriet Rose Lerner, Louisville, Ky.  
B.A. (University of Kentucky)  
*Field of Specialization: Social Work*

Sandra Ann Levine, Putnam Valley, N. Y.  
B.A.  
*Field of Specialization: Social Work*

Janet Elizabeth Lindsay, Schenectady, N. Y.  
B.A. (Ohio Wesleyan University)  
*Field of Specialization: Social Work*

Gretchen Luidens, Columbus  
B.A.  
*Field of Specialization: Social Work*

Edgar Leroy Mack, Erlanger, Ky.  
A.B. (Wilberforce University);  
B.S. (Gammon Theological Seminary)  
*Field of Specialization: Social Work*

Jean Carol Mack, Cincinnati  
B.S. in Ed. (University of Cincinnati)  
*Field of Specialization: Social Work*

JoAnn Bleak McGivern, Columbus  
B.A.  
*Field of Specialization: Social Work*

Margaret Ashman McKaig, Cincinnati  
B.A. (Wittenberg University)  
*Field of Specialization: Social Work*

Geraldine Evans Miller, Columbus  
B.S. in Soc. Adm.  
*Field of Specialization: Social Work*

Sharon Horn Minturn, Dayton  
A.B. (University of Cincinnati)  
*Field of Specialization: Social Work*

Josephine Greene Mitchell, Columbus  
A.B. (San Diego State College)  
*Field of Specialization: Social Work*

Barbara Montgomery Moore, Columbus  
B.A. (Ohio Dominican College)  
*Field of Specialization: Social Work*

Daphne Plaster Morrison, Lebanon  
B.A. (Woman's College of the University of North Carolina)  
*Field of Specialization: Social Work*

Don Dwayne Moseley, Albuquerque, N. M.  
B.A. (University of New Mexico)  
*Field of Specialization: Social Work*

Judith Ann O'Radnik, Kirkwood, Mo.  
B.A. (Quincy College)  
*Field of Specialization: Social Work*

Carole Ann Brannock Pohlmeier, Columbus  
A.B. (Wilmington College)  
*Field of Specialization: Social Work*

Elizabeth Seligson Pollock, Cincinnati  
A.B. (Simmons College)  
*Field of Specialization: Social Work*

Charleen MacEwan Restifo, Martins Ferry  
B.A. (Muskingum College)  
*Field of Specialization: Social Work*

Arthur Richard Reynolds, Columbus  
B.S. in Soc. Wel.  
*Field of Specialization: Social Work*

Judith Harris Ross, Cincinnati  
B.A. (California State College, Hayward)  
*Field of Specialization: Social Work*

Lenore Yavitz Schneiderman, Columbus  
B.A.  
*Field of Specialization: Social Work*

Beverly Hatter Shelton, Centerville  
A.B. (University of Cincinnati)  
*Field of Specialization: Social Work*

Carolyn Blumenthal Silberg, Cincinnati  
B.A. (Skidmore College)  
*Field of Specialization: Social Work*

Barbara Cohen Silverstein, Norfolk, Va.  
A.B. (University of Cincinnati)  
*Field of Specialization: Social Work*

Vera Kay Stephens, Belmont  
B.A. (Malone College)  
*Field of Specialization: Social Work*

Patricia Anne Cauffield Thomas, Dayton  
B.S. (Juniata College)  
*Field of Specialization: Social Work*

Izetta Gerard Thompson, Xenia  
B.S. in Ed. (Wilmington College)  
*Field of Specialization: Social Work*

Richard Stanley Thompson, Columbus  
A.B. (Ohio University)  
*Field of Specialization: Social Work*

Joann Fabin Tompkins, Seven Hills  
B.A.  
*Field of Specialization: Social Work*

Richard Harry Trego, Cincinnati  
B.A. (Valparaiso University)  
*Field of Specialization: Social Work*

Cheryl Duncan Trent, Dayton  
B.A.  
*Field of Specialization: Social Work*

David Albert Ulrich, Cincinnati  
A.B. (Morehead State College)  
*Field of Specialization: Social Work*

Rebecca Morrison VanVoorhis,  
Louisville  
B.A. (Baldwin-Wallace College)  
*Field of Specialization: Social Work*

Marie Montbrand Vigier, Columbus  
B.F.A.  
*Field of Specialization: Social Work*

Carol Gillespie Walk, Kettering  
A.B. (Ohio University)  
*Field of Specialization: Social Work*

Doris Milligan Walkenhorst,  
Cincinnati  
B.M. (John B. Stetson University)  
*Field of Specialization: Social Work*

Ginnie Good Warner, Columbus  
B.A. (Kalamazoo College)  
*Field of Specialization: Social Work*

Patricia Kellerman Werk, Columbus  
B.A. (Miami University)  
*Field of Specialization: Social Work*

Kathleen Harkins Wesselkamper,  
Cincinnati  
B.A. (Marquette University)  
*Field of Specialization: Social Work*

Carolyn Yeagers, Pittsburgh, Pa.  
B.A. (Duquesne University)  
*Field of Specialization: Social Work*

Mie Hae Yoon, Seoul, Korea  
B.A. (Ewha Womans University)  
*Field of Specialization: Social Work*

Helen Sperry Zimmerman, Cincinnati  
Ph.B., S.B. (University of Chicago)  
*Field of Specialization: Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Geoffrey Keller  
Dean for Undergraduate Programs: Lawrence J. R. Herson

The Colleges of the Arts and Sciences, a federation of five colleges, includes:

### College of The Arts

Dean: Lee Rigsby

### College of Biological Sciences

Dean: Richard Bohning

### College of Humanities

Dean: Charles L. Babcock

### College of Mathematics and Physical Sciences

Dean: Geoffrey Keller

### College of Social and Behavioral Sciences

Acting Dean: James G. Martin

Joseph Michael Collura, Columbus  
Ronald Kenneth Crawford, Columbus  
Margaret Jane Emerson,

Natrona Heights, Pa.  
Craig Edward Evans, Columbus

Willis Gilman Fetherolf, Columbus

Shaylah Ann Fletcher, Mt. Gilead

Marcia Lynne Ford, Columbus

Karen Lea Frush, Columbus

Adrienne Beth Garblik, Cincinnati

Larry Alan Gottfried, Bloomville

Mark Robert Gridley, Columbus

Margery Ellen Halpern,

Worcester, Mass.

Nancy Leist Halpin, Columbus

John Elsworth Henry, Lima

Richard Gross Hiestand, Hillsboro

David Alexander Hlynsky, Painesville

Candace Grace Holcomb, Hilliard

Judith Esther Horowitz,

University Heights

David Matthew Kirwin, Columbus

Donna Lorraine Kolley, Warren

Judith Kay Leach, Columbus

Jane Yvette Lubarsky, Fort Lee, N. J.

Jan Henry Maczka, Independence

John Bernard Magella, Columbus

Sheila Sue Maher, Columbus

June Waitas Marshall, Cincinnati

Linda Mary McClung, Columbus

Charlotte Ann Miller, Columbus

John Falls Moore, Jr., Cincinnati

Susannah Naomi Moorhead,

Steubenville

Carl Joseph Oslund, Lyndhurst

Randi Lynn Ozan, Beachwood

Barbara Lee Palmer, Hilliard

Timber Sue Pentz, Columbus

Michael Dennis Reed, Springfield

Garry Alan Romanik,

Middleburg Heights

Linda Helene Rosenbaum, Wooster

Frances Harriet Ross, South Euclid

Paul Francis Russo, Akron

George Mark Schwager, Columbus

Stanley Phillip Snouffer, Worthington

Joseph Anthony Tapia, Genoa

Levonne Cooke Volk, Chatham, N. J.

Susan Lee Wertheimer,

Highland Park, Ill.

Dolly Marna Weston,

Great Neck, N. Y.

Rodger Bruce Wilson, Columbus

Ronald Steven Winarski, Parma

Janet Bohac Winegarner, Columbus

Don Frederick Wittekind, Columbus

Nancy Jean Wolen, Cleveland

Linda Diane Wolf, Port Clinton

Phyllis Rankin Zlasney, Sandusky

### Bachelor of Music

Ten candidates

Ellen Renee Benson, Florence, Ky.

\*Glee Alison Blosser, Baltimore

Nelly Maude Case, Washington C. H.

Jenny Teh Jen Ching,

Kowloon, Hong Kong

Claudia Priscilla Dumitrescu,

Jackson Heights, N. Y.

\*Kathleen Sue Harrod, Harrod

Nancy Ann Maupin, New Carlisle

Curtis James Pierce, Columbus

Richard Craig Whittington, Ashtabula

Janice Lee Yake, Columbus

\* Also Bachelor of Music Education,

College of Education

## College of Biological Sciences

Dean: Richard Bohning

### Bachelor of Arts

Three candidates

Maureen Ann Glatteman, Trotwood

James Raymond Liles, Lafayette

Philip Loren Sannes, North Canton

### Bachelor of Science

One hundred and ninety-three candidates

Eve Adler, Cleveland

George Michael Albu, Niles

Harry Lowell Amsbary, Gallipolis

Richard Moore Anderson, Monroe

Robert Louis Andras, Springfield

Mark Leighton Apling, Oak Harbor

Mary Joan Arnett, Westerville

Eric Brian Ault, Columbus

David Edward Baehr, Berea

Cynthia Carol Bailey,

Franklin Furnace

Frank Michael Baldauf, Delphos

William S. Bambrick, III, Columbus

Terry Lee Baugh, Fairborn

Janet Winifred Bay, Kilbourne

Mark Thomas Bentley, Martins Ferry

Terry Berkley, South Euclid

Larry Berkwitz, Akron

Harry Alan Bernheim,

South Orange, N. J.

Thomas Lee Boggs, Jr., Hilliard

Jaren Douglas Bombach, Dayton

Bonnie Lou Bosworth, Gallipolis

Daniel Donald Brattain, Sandusky

## College of The Arts

Dean: Lee Rigsby

### Bachelor of Arts

Ten candidates

William Allen Baker, III, Worthington

Myron S. Berger, New York, N. Y.

Jeannette Bussiere Howland,

Columbus

James Stephen Hughes, Newark

Nancy Ellen Komessar, Columbus

Sue Zann Lampert, New Carlisle

Robert Lewis Maus, Jr.,

New Philadelphia

Leslie Ellen Paster, Brooklyn, N. Y.

John Edward Reeder, Lakewood

Rebecca Louise Weston, Columbus

### Bachelor of Fine Arts

Fifty-eight candidates

Helen Louise Armstrong,

Cleveland Heights

James Lee Baker, Columbus

Stephen Richard Baker, Springfield

Richard Franklin Bauer, Crestline

Ruth Lynn Brownstein,

Shaker Heights

Daniel Chu, Jr., Mt. Clemens, Mich.

Pamela Lou Burger, Morrow  
 Michael Robert Buring, Columbus  
 Betty Love Burk, Chagrin Falls  
 Gary Charles Caplan, Levittown, Pa.  
 Timothy Dale Carter, Ashtabula  
 Janet Parr Chapman, Bay Village  
 Anthony Samuel Cicatiello,  
   Youngstown  
 Edward Louis Clark, Jr., Akron  
 Lewis Stanton Coleman, Marietta  
 Ralph William Colla, Youngstown  
 Marilyn Sue Cook, Westerville  
 George Michael Cotterman, Wauseon  
 John Francis Cullen, Jr.,  
   Southport, Conn.  
 Ruth Allen Daneman, Waterville  
 Kenneth Alan Davis, Columbus  
 Richard Allen Davis, Columbus  
 Thomas Leon DeBauche, Columbus  
 Joseph William DeHaven, Kettering  
 John Edward Dehner, Bethel  
 Anthony Joseph Dennis, Springfield  
 James Vincent DiCola, Columbus  
 Robert Henry Doeringer, South Euclid  
 Bryant Arthur Doyle, Silver Lake  
 Gerald Allan Dysert, Summerfield  
 Karl Von Ebner, Lafayette  
 Bruce William Elliott, Jr.,  
   Cleveland Heights  
 James Eugene Ellis, Warren  
 Diane Mary Elwell, Columbus  
 Thomas Philip Englert,  
   McKeesport, Pa.  
 Richard Charles Erickson,  
   Oakdale, Mass.  
 Thomas Irvin Folden, Gallipolis  
 Danny Joseph Fresch, Sandusky  
 David William Fry, Buckland  
 Michael John Fuhrman, Lorain  
 Kristine Marie Gable,  
   Newton Center, Mass.  
 Robert William Gochoel, Jr.,  
   Columbus  
 Mark Richard Gordon, Fairborn  
 William James Gorman, Columbus  
 John Baylis Graef, Jr.,  
   Cuyahoga Falls  
 Gregory Mark Gray, Canton  
 Russell Wesley Grice, Dublin  
 Thomas Gordon Griffith, Mt. Gilead  
 Thomas Stephen Groves, Toledo  
 Steven Ifor Gutman, Dayton  
 Gerald Allen Guzik, Lorain  
 Pamela Maxine Hale, Jackson  
 James Michael Hamilton, Columbus  
 Rita Jane Hargrave, Hicksville, N. Y.  
 David Thomas Harris, Youngstown  
 Roger Allen Hart, Sherwood

Bruce Patrick Hatfield, Columbus  
 Jean Elizabeth Hay, Leesburg  
 Dale Francis Hibner, Columbus  
 Howard Jay Hoffman,  
   Spring Valley, N. Y.  
 Bruce Edward Howard, St. Paris  
 Michael Jay Hunter, Columbus  
 Tommy Lynn Igleburger, Dayton  
 Shelby Edward Jarrell, Jr.,  
   Woodsfield  
 Jeffrey Lee Johnson, Grove City  
 Michael Kenneth Johnson, Springfield  
 George Gediminas Juodenas,  
   Cleveland  
 Robert Richard Kamps,  
   West Richfield  
 Edward Grant Kar, Ambler, Pa.  
 David Mark Kaszubski, Toledo  
 Jeffrey Noel Kauffman, Columbus  
 Robert Michael Keenan, Steubenville  
 Jo Ellen Kidwell, Columbus  
 James Eric Kippen, Shaker Heights  
 James Alan Kladney, Columbus  
 David Lynn Klein, Coshocton  
 Albert Martin Kluczynski, Cleveland  
 Richard William Kost, Mt. Vernon  
 Theodore Kent Krisher, Worthington  
 Karl C. Kuban, Columbus  
 Michael Jay Kuntz, York, Pa.  
 John Albert Kunze, Columbia Station  
 Terry John Kyle, Parma  
 Jack Darryl Kyman, Cleveland  
 Randall Jacob Ladermann, Wauseon  
 Richard Eugene Leeth, Columbus  
 Johanna Bernadette Leonowicz,  
   Trenton, N. J.  
 Donald Carter LeRoy, Fairfield  
 Esther Ann Levy, Cincinnati  
 Albert Leyva, Jr., Columbus  
 Michael Linde, Columbus  
 John Alan Linthicum, Columbus  
 John Ernest Loggie, Columbus  
 Louise Ann Loynachan, Cleveland  
 Peter Marc Luckower,  
   Mt. Vernon, N. Y.  
 Kay Louise Lyons, Blanchester  
 Michael Dale Mackan, Columbus  
 Robert Marc Mandelkorn, Columbus  
 Philip Marder, Maywood, N. J.  
 Ronald Frank Maxhimer, Columbus  
 Gerald Richard May, Sebring  
 Joseph Lee Maybugh, Shadyside  
 Patricia Ann McDaniels,  
   Indianapolis, Ind.  
 Lyle Eugene McGaughey,  
   Cleveland Heights  
 Norman Joel Metz, Englewood, N. J.  
 Edward Henry Miller, Toledo

Gregory Scott Mills, Cincinnati  
 Richard Eugene Minter, Richwood  
 John Edward Mitakides, Dayton  
 Larry Ronald Noblick, Newark  
 Steven Lee Owdom, Solon  
 Richard Terry Orlin, Lyndhurst  
 Thomas George Oyer, Wapakoneta  
 Terence Alen Pakish, Cleveland  
 Edward George Parobek, Jr.,  
   Cleveland  
 Gary David Parson, Columbus  
 David Alan Parsons, Columbus  
 Stanley Thomas Payne, Columbus  
 William Dale Penman, Sharon, Pa.  
 Sandra Marie Penter, Cleveland  
 Jennifer Louise Peterson, Ashtabula  
 Clive Attila Petrovic, Columbus  
 Rick Edward Pfefferle, Columbus  
 Harvey Marvin Pickrum, Columbus  
 Heinz Popiela, Columbus  
 William Lee Price, Delaware  
 Thomas Michael Raabe, Delphos  
 Dennis Mark Rafferty, Clinton  
 Scott Allen Ransom, Clyde  
 Rosa Shine Raskin, Columbus  
 Julius Bruce Resnik,  
   Cleveland Heights  
 Stephen Edward Risner,  
   West Portsmouth  
 Steven LeRoy Rogers, Kenton  
 Frederick D. Rogoff, Cleveland  
 David Michael Rosenberg, Beachwood  
 Barbara Lee Ross, Loveland  
 Michael Roth, Columbus  
 Petrasita Tapia Roth, Columbus  
 Carol Anne Rotlie, Akron  
 David Leo Roush, Columbus  
 Alex David Sales, Uhrichsville  
 Donna Jean Salsburey, Ottawa  
 Scott Johnston Saum, Toledo  
 Beverly Jean Schaefer, Cleveland  
 Ronald Harvey Schild, Akron  
 Edward Franklin Schlegel, III,  
   Coshocton  
 Bronwen Ann Schultz,  
   Cuyahoga Falls  
 Jeffrey Eric Schultz,  
   University Heights  
 William Arthur Seib, Dover  
 Sidney Lee Shafran, South Euclid  
 Michael Paul Smeltzer, Reynoldsburg  
 Jack Spratt, Jr., Toledo  
 Donna Jean Sprinkle, Hillsboro  
 James Edward Staber, II, Columbus  
 Pete D. Stavrides, Dayton  
 Michael Allen Steele, Bucyrus  
 Robert Eiden Swisher, Newark  
 Carol Louise Swonger, Columbus  
 Susan Elaine Swonger, Columbus

Charles Lynn Thompson, Lima  
 Patricia Anne Urban, Akron  
 Thomas Robert Vajen, Napoleon  
 Mary Frances Vartorella,  
 Berlin Heights  
 Larry Taylor Walker, Columbus  
 Ronald Lynn Walker, Columbus  
 Charles Burnie Wallace, Columbus  
 James Michael Ward, Jr., Columbus  
 Barbara Jean Weaver, Dayton  
 Janna Page Wehrle, Columbus  
 Donald Randy Weidner, Reading, Pa.  
 James Charles Willeford, Columbus  
 Charles Frosh Willis, Columbus  
 Bruce David Winchester, Oregon  
 Janet Ann Winkler, Poland  
 Gordon Ray Woosley, Columbus  
 Stanley Kay Yarnell, Wooster  
 Robert Harold Yockey, Jr.,  
 Kittingning, Pa.

## College of Humanities

Dean: Charles L. Babcock

### Bachelor of Arts

One hundred and ninety-six candidates

Gerard Israel Adelman,  
 Brooklyn, N. Y.  
 Mary Allene Allen, Columbus  
 Michael Lee Anderson, East Liverpool  
 Gabriella Angel, St. Bernard  
 Elma Carmela Antonelli,  
 Logansport, Ind.  
 Constance Hannah Balcher, Cleveland  
 Richard Lee Barnett, Jr.,  
 Birmingham, Mich.  
 Robert Gilbert Bath, Cincinnati  
 Andrew Daniel Bemer, Jr., Cleveland  
 Spencer Ross Benedict, Akron  
 John Ira Bennett, Columbus  
 Peggy Louise Bennington, Cadiz  
 William David Berk, Cleveland  
 Jeanette Elaine Bialczak, Columbus  
 Patricia Scroggins Biegel,  
 Columbus  
 B.S. in Edu.  
 Susan Jane Bonnell, Worthington  
 Joseph Bartholomew Borgo, Columbus  
 Sylvia Faye Bornstein, Columbus  
 Wayne Alan Brown, Columbus  
 Michael Joseph Buttress, Columbus  
 Michael Anthony Cahill, Springfield  
 Jeffrey Paul Cajka, Lorain  
 Robert Otto Carson, Garfield Heights  
 Joseph Edward Caruso,  
 Gloversville, N. Y.  
 Deborah Ann Cavendish, Columbus

Karen Jo Cesar, Columbus  
 Robert Edward Christy, Lancaster  
 Philip Schuyler Church, Jr.,  
 Bellefontaine  
 Constance Ann Cockrell, Columbus  
 Daniel Schaffner Cody, Columbus  
 Carl Israel Cohen, Indianapolis, Ind.  
 Gloria Rosof Corn, Lawrence, N. Y.  
 Russell Ford Crabtree,  
 Washington C. H.  
 Jane Elizabeth Craft, Columbus  
 Robert Lee Cummings, II, Litchfield  
 William Edward Curphey, III,  
 Columbus  
 Joyce West Davidson, Columbus  
 David William Davis, Columbus  
 James Martin Dershem, Worthington  
 Rene Adrian DeVos, Columbus  
 William Robert Donaldson, Columbus  
 Todd Reign Dunkle, Swanton  
 Sue Beth Dusthimer, Columbus  
 Marjory Irene Ehrlich,  
 North Miami Beach, Fla.  
 Donn Gerald Ellerbrock, Columbus  
 Larry Eugene Ely, Westerville  
 Karin Lynne Emmert, Cincinnati  
 Judith Carol Engelman, Columbus  
 Jeanne Marie Erickson, Columbus  
 John Stephen Everard, Sheffield Lake  
 Gary Allen Feess, Columbus  
 Allan Bradley Felber, Pepper Pike  
 Mark Stephen Feldheim, Cleveland  
 Stephen Edward Fortkamp, Columbus  
 Jeanne Ellen Fosnaught, Lindsey  
 Jeffrey Lynn Foust, Coshocton  
 William Arthur French, Columbus  
 Sherry Phyllis Friedman,  
 Edison, N. J.  
 Joseph Walker Fusco, Columbus  
 Annette Marie Gargas, Lorain  
 Michael Ford Gehrig, Terrace Park  
 Roger Thomas Geise, Delphos  
 James Richard Gould, Columbus  
 Diane Greenbaum, Cleveland Heights  
 Jeffrey Mark Greenbaum,  
 Cleveland Heights  
 Joann Elizabeth Groh, Galion  
 Richard Martin Gunther,  
 Des Moines, Ia.  
 Alan Paul Gustafson, Gowanda, N. Y.  
 Ann Elizabeth Hackett, Columbus  
 Chad Ralph Hallenburg, Cleveland  
 Barbara Leach Harth, Columbus  
 Robert Anthony Hoegler,  
 Cleveland Heights  
 Walter Charles Hoekstra, Columbus

Andrew Cullis Hoffman,  
 Alexandria, Va.  
 Keith Eugene Hyslop, Columbus  
 Daniel Jacoby, Elyria  
 Jean Kay Jenkinson, Columbus  
 Dale Wayne Johnson, Columbus  
 Ellen MacNeill Johnson,  
 Chagrin Falls  
 Anne Marya Kading, Gambier  
 Robert James Kelley, Columbus  
 \*Frederick Dean Kelsven,  
 Belle Center  
 David Keel Kennedy, Mineral City  
 Paul Bentley Kerr, III, Hicksville  
 William Thomas Kessler, Newark  
 Paula Smith King, Columbus  
 Lawrence Eugene Kirby, Columbus  
 James Lloyd Kirkpatrick, Columbus  
 Arthur John Klein, Cleveland  
 Stanley Lane Knipp,  
 Charleston, W. Va.  
 Dietmar Konrad Kossmann, Columbus  
 Michael Joseph Kuhlman, Findlay  
 Ronald Alfred Landefeld, Columbus  
 Sandra Lane, Columbus  
 Philip Eugene Langer, Dayton  
 Frances Ellen Lappe, Columbus  
 Raymond Miles Larussa, Columbus  
 Carl Casner Law, III, Utica  
 Roger William Leslie, Columbus  
 Barbara Sharon Levine,  
 Freeport, N. Y.  
 Andrea Lewin, Columbus  
 Carlisle George Lewis, Jr., Zanesville  
 Marc Edward Lieblich, Cleveland  
 \*Philip Gilmore Lumpkin, Wilmington  
 Conrad Francis Marsili, Columbus  
 \*Leonard Ned Mathless, Columbus  
 Terence James McCarthy, Columbus  
 Howard Dean McCleese, Portsmouth  
 Rex Calvin McCoy, Columbus  
 Steven Jerry McCoy, Washington C.H.  
 John Gary McDavid, Galion  
 George Steven McGuire, Marion  
 Thomas Charles Mechenbier, Dayton  
 Linda Lou Meyers, Deltona, Fla.  
 Marilyn Elizabeth Miller,  
 Stamford, Conn.  
 William Walter Miller, Canton  
 Jeffrey Edward Mirel, Beachwood  
 Charles Laddie Molnar, Berea  
 Richard Alan Moore, West Union  
 Edward Joffre Mounier, Toledo  
 David Kim Murray, Columbus  
 Larysa Ann Mykyta, Lorain  
 Terry Scott Nagel, Cincinnati  
 James Ralph Natal, Chicago, Ill.  
 \*Also Bachelor of Science in Education,  
 College of Education

Marvin Keith Neff, Fairborn  
 Larry Russel Nettle, Columbus  
 Chris Thomas Nolan, Akron  
 Lloyd Steven Nolan, Columbus  
 William Louis Nolan, Levittown, N. Y.  
 Phillip Stephen Oberrecht, Hamilton  
 Kathleen Marie Owens,  
   Shaker Heights  
 Andrew Alex Pabijan, Parma  
 †Armida Lourdes Padilla, Columbus  
 David Thomas Pilotti, Columbus  
 Robert Lee Popham, Mansfield  
 Michele Elaine Popp, Columbus  
 Nancy Lee Pryor, Fairborn  
 Pinkie Quisenberry, Dayton  
 Max Emerson Raines, Columbus  
 Janet Rainin, Shaker Heights  
 Linda Jane Ravdin, Richmond, Va.  
 Frank Allen Ray, Dublin  
 Edward George Razez, Columbus  
 James Benjamin Recchie, Columbus  
 Donald James Reinhard, Dayton  
 Cheryl Dianne Rieger, Uniontown  
 Lawrence Russell Rittgers, Logan  
 Wendy Carol Ronas, Brooklyn, N. Y.  
 Michael Oris Roush,  
   Wartsmith AFB, Mich.  
 Wayne Rudolph, Columbus  
 Mary Margaret Ryan, Columbus  
 Susan Blair Ryckman,  
   Harrisonburg, Va.  
 Janice Ellen Saunders, Columbus  
 Robert Louis Schnieber, Cincinnati  
 Charles Harry Schoborg, Cincinnati  
 Faye Ellen Schott, Westerville  
 Patricia Lynn Schrader, Youngstown  
 Ann K. Seabright, Lakewood  
 Gary Allan Seckman, Columbus  
 Pamela Jean Sharpe, Tiffin  
 Michael Forrest Shaw, Columbus  
 \*Donna Ruth Sheets, Columbus  
 Pamela Kay Sipe, Granville  
 Rita Rousseau Sisinger, Columbus  
 Radojka Skocic, Parma  
 Thomas Edward Smith, Norwalk  
 Ronald Lee Snyder, Columbus  
 \*Steven Nathan Solomon, Youngstown  
 Kathleen Anne Spahr, Xenia  
 William Alexander Springer,  
   Mansfield  
 Donna Lynn Stark, Bayside, N. Y.  
 John Renwick Steele, Jr.,  
   Reynoldsburg  
 Lewis Franklin Stiles, Columbus  
 Bonnie Jean Williams Swisher,  
   Columbus  
 Rick Willard Tanney, Mansfield  
 Danny Joe Terrible, Columbus  
 John Thomas Tolhurst, Columbus

Martha Ann Tonjes, Sherwood  
 Gary Alan Trelka, Amherst  
 Franklyn Emerson Tyler,  
   Unadilla, N. Y.  
 Henry Addison Van Hala, Jr.,  
   Rocky River  
 Peter Edward Vonderau, Columbus  
 Charles Bernard Vonder Embse., Jr.,  
   Mansfield  
 Rebecca Anne Wallace,  
   New York, N. Y.  
 Marc Lewis Weinberg, Columbus  
 Carol Whiteside Weisenberger,  
   Columbus  
 Harry Ellis Whitehead, Jr., Columbus  
 Gary Phillip Williams, Rocky River  
 Patricia Louise Wilson, Rye, N. Y.  
 William Lee Wilson, Waterville  
 Daniel Lee Wise, Columbus  
 Michael Earl Wonacott, Columbus  
 Deborah Anne Woodcock, Niles  
 Clarence Eugene Wright, III,  
   Washington C. H.  
 Robert Safford Zapp, Short Hills, N. J.  
 Arthur Warren Zerby, III, Mansfield

## College of Mathematics and Physical Sciences

Dean: Geoffrey Keller

### Bachelor of Arts

Eleven candidates

Michael Peter Arthur,  
   South Bend, Ind.  
 Ronald Melvin Beerman, Cincinnati  
 Frances Fenner Glaze, Columbus  
 James Nellis Harkless, Zanesville  
 \*Jay Charles Juliussen, Akron  
 Bruce Lynn Kaminski, Lorain  
 James Joel Kendall, Cridersville  
 Donald Nicholas Kender, Clifton, N. J.  
 \*\*Carol Roth Kollarits, Uhrichsville  
 William Alfred Sherertz, Lynchburg  
 \*John David Stephens, Hillsboro

### Bachelor of Science

One hundred and twenty-three candidates

James Michael Adamski, Columbus  
 Melvin Aden, Cleveland  
 Lee Cathrin Allmen, Rocky River  
 John Parry Andrews, Jr., Columbus

Kenneth James Baker, Columbus  
 Larry Delford Barker, Columbus  
 Charles Gary Bathke, Oregon  
 Dale Alan Bauer, Columbus  
 Brian Michael Becher, Columbus  
 Thomas Albert Beiter, Lancaster  
 William David Bell, Miamisburg  
 Georgia McClure Benkart,  
   Youngstown  
 David Ernest Bindschadler,  
   Pittsburgh, Pa.  
 Donald Patrick Bishop, Columbus  
 Daniel Hadley Booren, Columbus  
 Mark Alan Boster, Columbus  
 Barbara Ellen Boughton, Columbus  
 Nancy Louise Boyer, Independence  
 Bruce James Bradshaw, Columbus  
 William John Braskich, Parma  
 Boyd Alexander Brown, Mt. Sterling  
 Cheryl Jo Victoria Cala,  
   Chagrin Falls  
 John Calvin Callihan, Ashtabula  
 James Allan Capistran, Zanesville  
 Gary Lynn Carpenter, Columbus  
 James David Caudill, Columbus  
 Stephen Roger Channon, Columbus  
 Brian Oliver Clark, Sandusky  
 James Edward Coursey, Columbus  
 Edward Francis Davis, Newark  
 Gerald Allan Derbyshire, Columbus  
 James Edward Docherty, Grove City  
 Maurice Mourad Douek, Columbus  
 Jonell Anne Duda, Newark  
 Robert Allen Farr, Canfield  
 Bruce Allen Fellows, Columbus  
 Mary-Frances Ferrari, Mason  
 Joe Allen Fetzer, Columbus  
 Terrence Gene Frey, Plain City  
 John Joseph Gardner, Chicago, Ill.  
   B.A. (Villanova University)  
 Richard Wesley Garvin, Kenton  
 David Gobey, Oakhurst, N. J.  
 Gerald Lee Goldsmith, Newark  
 Robert Edward Greenamyre, Leetonia  
 Frank Allan Greenwood, Jr.,  
   Columbus  
 James Edward Gregory, Jr.,  
   Springfield  
 William Tod Gruenbaum, Marysville  
 Thomas Edward Hamilton, Marietta  
 Dennis Blair Harrold, Avon Lake  
 Lorraine Ann Heitchue, Columbus  
 Edward Steven Hirtgelt, Hubbard  
 James Joseph Hohman, Caldwell  
 Cheryl Lynn Hoke, Kettering

† Also Certificate of Graduate Dental Hygienist, College of Dentistry  
 \* Also Bachelor of Science in Education, College of Education  
 \*\* Also Doctor of Medicine, College of Medicine

Donna Mae Holliday, Campbell  
 Charles Eugene Hootman, Walbridge  
 Charles James Hunter, Columbus  
 Pamela Jane Hurley,  
   Ellicott City, Md.  
 Carol Wall Hyslop, Columbus  
 Kenneth Lewis Jaffe, Shaker Heights  
 David Alphonse Jendrzewski,  
   Brooklyn Heights  
 Patricia Ann Jordan, Edison, N. J.  
 Jon Arthur Kline, Perry  
 Rebecca Mariko Koja, Parma  
 David Lee Koster, Barberton  
 Richard Philip Lacks, Akron  
 David Charles Laubie, Shelby  
 Ernest William Leggett, Jr.,  
   Columbus  
 Larry Stephen LeMaster, Columbus  
 Erik Matthew Lintala, Wooster  
 David Terry McCann, Johnstown  
 Larry Thomas McHale, Dayton  
 Lois Ann Mefferd, Lima  
 Andrew George Mehas, Jr., Columbus  
   B.A. (Miami University)  
 Richard Lee Merkel, Dillonvale  
 Michael Philip Moorman, Dayton  
 David Martin Muller, Barberton  
 Judith Ann Neuffer, Wooster  
 Robert Douglas Newcomb, Monroe  
 Roger Boyd Noll, Plainfield, N. J.  
 John Lorenz Oswald, Monroe  
 Mary Jo Phillips, Attica  
 Steven Lawrence Prinzbach, Milford  
 Sigmund Joseph Puchacz, Jr.,  
   Columbus  
 Timothy Joseph Quill, Columbus  
 Thomas Joseph Quinlan,  
   Millville, N. J.  
 Edward Brier Radatz, Canton  
 Mark Halsey Randles, Worthington  
 Thomas Franklin Rees, Columbus  
 Stephen Stanley Richman,  
   Indian Harbor Beach, Fla.  
 James Monroe Rohlf, Green Springs  
 Thomas Howard Rutherford,  
   Columbus  
 Sheldon Leonard Schafer, Columbus  
 Susan Pfaadt Scholl, Coshocton  
 John Warren Senf, Columbus  
 Kafeel James Shaheen, Canton  
 Kenneth Lee Shellberg, Cary, N. C.  
 Dorothy Fay Slimmer, Millville, N. J.  
 Elsie Ray Slimmer, Millville, N. J.  
 Ira Wesley Smith, Columbus  
 Joseph Richard Sparks, Perrysville  
 John Hughey Sprinkle, II, Akron

Robert Lawrence Steinberg,  
   Dewitt, N. Y.  
 Peter Gregory Stone, Worthington  
 Sharon Ann Stonecipher, Chardon  
 Charles David Swaney, Springfield  
 Carol Ann Taylor, Canton  
 Edward Vincent Tomsic, Lockbourne  
 Douglas Wayne Townsend,  
   Ft. Mitchell, Ky.  
 Carl Brent Umstead, Sidney  
 Daniel Edgar Underwood, Columbus  
 Linda Ann Uschak, Garfield Heights  
 David Lee Van Harlingen, Kettering  
 Larry Brent Vosburgh,  
   Cameron Mills, N. Y.  
 Jutta Lerch Wait, Parma  
 Cheryl Joan Waldeck, Columbus  
 Allan John Wentink, Skokie, Ill.  
 Thomas Kurt Werling, Columbus  
 Marvin Charles Whiting,  
   Eagle Mt., Calif.  
 Robert Leo Wourms, Columbus  
 John Austin Wyckoff, Jr., Columbus  
 Hsushi Yeh, Columbus  
 David Yuan-Yee Yun, Columbus  
 David Alan Zelman, Columbus,  
   B.A.

## College of Social and Behavioral Sciences

Dean: Paul G. Craig

### Bachelor of Arts

Three hundred and twenty-three candidates

Pamela Wilbert Ables, Green Springs  
 Robert Shane Abramson, Canton  
 Kenneth Alan Akers, Chagrin Falls  
 Geoffrey Edward Albrecht, Columbus  
 \*Richard Bailly Allen, Columbus  
 John Bell Anderson, Columbus  
 †Norene Lee Armstrong, Columbus  
 Gary Alan Arthur, Cridersville  
 †Janis Elaine Baisel, Lakewood  
 William Walter Banks, Delaware  
 Benjamin Franklin Banta, IV,  
   Oswego, N. Y.  
 Donna Marie Bardeschewski,  
   Pulaski, N. Y.  
 William Michael Barilka, Lakewood  
 Wayne Alan Barnett, South Euclid  
 Randall Eugene Beaty,  
   Canal Winchester

Henry Goodman Berman,  
   Shaker Heights  
 Thomas William Bickerton,  
   Youngstown  
 \*Roger Edmond Billingsley,  
   Columbus  
 Patrick Arthur Binns, Trenton  
 Mary Louise Black, Cuyahoga Falls  
 Patricia Matthews Boling, Columbus  
 Michael David Bork, Huron  
 Stuart Neal Bornstein, Norfolk, Va.  
 Harold Edmund Brazil, Columbus  
 Charles Wesley Breece, Dayton  
 Frederick Latimer Brewster,  
   Cincinnati  
 Charles Richard Brite, Jr., Lakewood  
 James Vernon Brown, Jr., Columbus  
 Suzanne Lynn Brown, Mobile, Ala.  
 Charles James Buemi, Independence  
 Michael James Burke, Columbus  
 James David Burton, Wellston  
 Thomas David Byrom, Chardon  
 Allen Leonard Byrum, Orient  
 Herman Adrian Cain, Columbus  
 Thomas Eugene Caldwell, Troy  
 Nannette Louise Capek,  
   Maple Heights  
 Jeanne Ann Carr, Dublin  
 Stephen Michael Carter, Westerville  
 James David Caruso, Columbus  
 James Frederick Caslick, Ithaca, N. Y.  
 Dina Cautela, Worthington  
 \*Nick Vincent Cavalieri, Parma  
 Bruce Edward Chamero, y,  
   Red Bank, N. J.  
 Richard Ray Chapman, Cincinnati  
 Arnold Jeffery Clebone, Columbus  
 Phillip Code, Warren  
 Francine Carol Cohen,  
   University Heights  
 Robert Elliott Collier, Dayton  
 Burton Merle Collins, Cleveland  
 Harrison Scott Condit, Columbus  
 Christopher Lee Conn, Columbus  
 \*Thomas Bernard Connery,  
   East Liverpool  
 Neil Allan Conrad, Cleveland  
 \*Michael Nolan Cook, Norwalk  
 Anne Marie Coon, Columbus  
 David Stuart Cooper, Cincinnati  
 Ann Gayle Corcoran, Columbus  
 Daniel Charles Corley, Parma Heights  
 Cathy Ann Cox, Poland  
 Thomas James Czelusta, Toledo  
 William John Davis, East Liverpool

\* Also Bachelor of Science in Education,  
 College of Education  
 † Also Certificate of Graduate Dental  
 Hygienist, College of Dentistry



James Ray Deerhake, New Knoxville  
 Andrew Joseph Deibel, Columbus  
 Gregory Scott DeWolfe, Defiance  
 Robert Alan Dickinson, Oberlin  
 Louis Thomas Dondero, Sidney  
 Michael John Draganic, Cleveland  
 Ercelia Ethel Draper, Stow  
 Libby Ann Duszynat, Cincinnati  
 John Sidney Evans, Cleveland  
 Arnold Jeffery Faigin,  
 University Heights  
 Michael Joseph Ferguson,  
 Brooklyn, N. Y.  
 Abe I. Fischer, Cincinnati  
 Jack Robert Fisher, York, Pa.  
 Stephen Charles Fitch, Portsmouth  
 Alan Bruce Fliegel, Mansfield  
 Jeffrey William Fodor, Leavittsburg  
 Virgil Joseph Foltz, Jr., Independence  
 Thomas Chapman Forster, Sandusky  
 Lawrence Herbert Forsythe,  
 Columbus  
 Jan Thomas Fraley, Frankfort, Ky.  
 William Aiello France, Cleveland  
 Nancy Lynn Freas, Rochester, N. Y.  
 Kenneth Edward Freedman, Columbus  
 Pamela Kay Gaddis, Worthington  
 †Cheryl Ann Garber, Pittsburgh, Pa.  
 Helen Bissell Garverick, Lexington  
 Joseph Roy Gearing, Wapakoneta  
 Dale Edward Gentry, Fairfield  
 Leonard Max Geyer, Cincinnati  
 Steven Eugene Glass,  
 Washington C. H.  
 †Jeanne Marie Gliebe, Fairview Park  
 Gerald Bruce Golub, Shaker Heights  
 Greg Devitt Gordon, Akron  
 Jack Richard Graf, Jr., Columbus  
 Susan Kay Grau, Genoa  
 Matthew Floyd Graves,  
 Averill Park, N. Y.  
 Nancy Karen Gray, Shaker Heights  
 Mary Jane Green, Kettering  
 Robin Queen Green, Hebron  
 Horatius Alexander Greene, II,  
 Jersey City, N. J.  
 Richard Michael Griffith, Columbus  
 Thomas Patrick Grims, Cleveland  
 John Edward Grueschow, Jr.,  
 Bay Village  
 Robert Lee Guehl, Dayton  
 Diane Lynn Habener, Columbus  
 William Michael Hackworth,  
 Cincinnati  
 John Peter Hakkio, Fairview Park  
 Celia Ruth Handel, Newark  
 Linda Ruth Hankinson, Cincinnati  
 †Dale Jean Harshman, Lima

Philip Brennan Hart, Jr.,  
 Oakmont, Pa.  
 Jerry Randall Hatton, Columbus  
 Dennis Harold Heitz, Cincinnati  
 Ann Elizabeth Henkener,  
 New Knoxville  
 Andrew Campbell Hess,  
 Orchard Lake, Mich.  
 Karen Vogely Hirt, Cincinnati  
 Janet Marie Hlavna, Cleveland  
 \*Ronald Lee Hoch, Prospect  
 Pamela Kay Hoffman, Celina  
 David Bruce Hollenbeck, Columbus  
 Jerry Lee Holt, Etna  
 Felix Alfred Hoover, Columbus  
 Deborah Louise Hopple,  
 North Olmsted  
 Timothy Lee Horn, Columbus  
 Mary Ann Hrvatin, Salem  
 Pamela Gale Humphreys,  
 Plainfield, N. J.  
 David Andrew Jacobs, York, Pa.  
 Glenn Stuart Jacobs,  
 West Long Beach, N. J.  
 Michael Charles Johnson,  
 New Philadelphia  
 James Gordon Joseph, Beachwood  
 Myrna Leslie Kadish, Oak Park, Ill.  
 Robert Kerry Kalmbach, Sylvania  
 Joseph Robert Kapps, Columbus  
 Alexander Katz, Cleveland  
 Joseph Anthony Kay, Jr.,  
 North Royalton  
 John Harrison Kelly, Columbus  
 Patrick Kelly, Columbus  
 Patricia Ann Kennedy, Mansfield  
 Richard Christopher Kennedy,  
 New Philadelphia  
 Donald Kennicott, Lexington, Tenn.  
 Timothy Paul Keppler, Columbus  
 Michael Miller Kerns, Gallipolis  
 Vincent William Kinehan, II,  
 Columbus  
 Julia Sheridan Kinschner, Columbus  
 Kenneth Allen Klase, Auburn, Ala.  
 June Ellen Komar, Bedford  
 James Allen Kopf, South Euclid  
 Larry Jack Korland, Edison, N. J.  
 David Alan Kottler, Cleveland  
 Pamela Ann Kowalski, Cleveland  
 Gale Ann Kraus, Chicago, Ill.  
 Karyn Sue Krone, Lincolnwood, Ill.  
 Ronald Hal Krug, Clifton, N. J.  
 Robert Allan Kuth, Cincinnati  
 Thomas Christopher Lambert,  
 Columbus  
 Jerome Landau, Youngstown  
 Billie Sharon Langston,  
 North Olmsted

Ronald Harold Lasko, Cleveland  
 Steven Bruce Leebow, Columbus  
 Frank Ronald Leone, Youngstown  
 Gary Frank Leopold, Cincinnati  
 Philip Shane Levoff, Columbus  
 Douglas Dennis Levy, Clark, N. J.  
 Susan Mariella Longauer,  
 North Olmsted  
 Ellsworth Love, Cincinnati  
 Dianne Lynn Mahler, Sylvania  
 Nancy Karen Mairs, Wooster  
 Michael Gene Malinas,  
 Shaker Heights  
 Christine Manos, Bay Village  
 †Marylin Jane Marrinson, Cincinnati  
 Jeffrey Philip Marsh, Columbus  
 David Cargill Marshall, Columbus  
 James Craig Mauro, Salem  
 James William Maynard, Columbus  
 Colin John McAdie, Ellicott City, Md.  
 George Ray McCann, Springfield  
 Tyrone Stong McCarthy, Columbus  
 †Deborah McClung, Columbus  
 Daniel Eugene McDonough,  
 Mechanicsburg  
 Robert Myers McGreevey, Cincinnati  
 Anna Marie McIntyre, Lyndhurst  
 Gilbert Edmund Melton, Cleveland  
 Patrick Leonard Menicos, Canton  
 Ann Louise Mhley, Uniontown, Pa.  
 Christopher John Miller, Cincinnati  
 Thomas John Miller, Delphos  
 John Earl Millious, Columbus  
 Toby Sandra Mirkin, Youngstown  
 William Francis Moga, Cleveland  
 Treston E. Moore, Columbus  
 †Mary Louise Moreno, Columbus  
 Linda Jennifer Muhleman, Bellbrook  
 Patricia Katherine Naherny,  
 Shaker Heights  
 Barry Edward Nangle, Springfield  
 David Blair Naylor, Columbus  
 Mark Allan Neiman, Columbus  
 Thomas Robert Neptune, Columbus  
 Ronald Martin Newberg, Beachwood  
 Maynard Fredric Newman,  
 University Heights  
 Sandra Lindemood Nichols, Columbus  
 Bruce Irl Nicholson, Zanesville  
 Keith Alan Noethlich, Columbus  
 Hugh Alan O'Boyle,  
 Silver Spring, Md.  
 Timothy Lawrence O'Shea, Akron  
 Wilbert James Outlaw, Columbus  
 Robert Elliott Owens, Columbus

† Also Certificate of Graduate Dental  
 Hygienist, College of Dentistry  
 \* Also Bachelor of Science in Education,  
 College of Education

Susan Jane Packard, Fairview Park  
 Anthony Edward Paczelt,  
   Cleveland Heights  
 Cynthia Blatt Paine, Columbus  
 Gerald Joseph Patronite,  
   Shaker Heights  
 Michael Thomas Pawlus,  
   South River, N. J.  
 Laura Jean Peskin, Long Beach, N. Y.  
 James Dee Pickens, Akron  
 Suzanne Pierce, Lima  
 Ivan Fred Platt, Cleveland  
 James William Plummer, Jr.,  
   Zanesville  
 Robert Stuart Polster,  
   Shaker Heights  
 Jack Ray Pounds, Cambridge  
 John Thomas Prehm, III, Columbus  
 Linda Nancy Radin, Belmont, Mass.  
 Brian Leslie Ramer,  
   Brantford, Ont., Canada  
 Sheryll John Ravelly, Columbus  
 Carl Albert Rayburn, Columbus  
 Stanley Don Reichgott, Columbus  
 James Harold Reif, Lebanon  
 Stephen Archer Reilly, Columbus  
 Tina Sisisky Rice, Columbus  
 Susan Richards, Carrollton  
 Stephen Rigelsky, Columbus  
 Dana G. Rinehart, Columbus  
 James William Rinschler, Cincinnati  
 Marcia Lynn Robertson, Cincinnati  
 Don Lee Robinson, Columbus  
 Donald Bruce Robinson, Troy  
 James Homer Robinson, Jr.,  
   Charleston, W. Va.  
 Samuel Allan Rodner, Cincinnati  
 Richard Dave Rosen, Miami, Fla.  
 Stephen J. Rosenbaum, Skokie, Ill.  
 Leona Jean Rosenfield,  
   Champaign, Ill.  
 Samuel Howard Roshon, Columbus  
 John Christopher Ross, III, Columbus  
 Leo Patrick Ross, Columbus  
 Judith Ann Rotter, Cleveland  
 Thomas Edward Sales,  
   Niagara Falls, N. Y.  
 Janet Lee Sampson, Marysville  
 Dan David Sandman, Cincinnati  
 Jan Michael Sanislo, North Royalton  
 Beatrice Anne Scalzi, Martins Ferry  
 Paul Robert Schmidlin, Toledo  
 Ahron Zvi Schneider,  
   Cleveland Heights,  
   B.S. in Edu.  
 Albert Schneider, Columbus  
 Wesley Samuel Schotten, Hubbard  
 Steven Herschel Schreiber, Cincinnati  
 Stanley Gene Schwartz, Pepper Pike

Robert Joseph Seigel, Dayton  
 Richard Alan Sell, Delta  
 Joseph Edward Seringer, Wooster  
 Gary Lewis Sharpe, Grove City  
 Jeffrey Ira Sherwin,  
   Cleveland Heights  
 Deborah Lane Shriver,  
   Jacksonville, Fla.  
 Jay Stephen Shulman, South Euclid  
 Gregory Earle Sipp, Akron  
 Mark Skolnick, New Rochelle, N. Y.  
 Larry Stuart Skolnik, Shaker Heights  
 Rosemarie Ann Skukan, Campbell  
 Craig Inwood Smith, Rocky River  
 Christopher Earl Soukup, Macedonia  
 John Vincent Spalla, Dayton  
 Gary Paul Spanner, Columbus  
 Danny Ray Stahl, Columbus  
 Ronald Criss Stansbury, LaCarne  
 Anna Mae Staples, Freeport, N. Y.  
 William Joseph Strapp, Columbus  
 Jeri Lyn Studebaker, Springfield  
 Linda Lee Sullivan, Navarre  
 George Steven Swan, Dover  
 Wesley Howard Sylvia, Columbus  
 William James Taylor, Zanesville  
 Jack Samuel Tenenbaum, Chicago, Ill.  
 Ira Neal Tew, Lakewood, N. J.  
 William Thomas, Jr., Columbus  
 James Scott Thompson, Newark  
 Barbara Cecile Thornton, Columbus  
 Frank Allen Titus, Pomeroy  
 Kathleen Maria Toth, Columbus  
 Thomas William Townsley, Columbus  
 James Charles Tracy, Columbus  
 Kenneth Arlen Traeger, Beachwood  
 Hugo Ronaszeki Trux, IV, Cleveland  
 Kathryn Unverzagt, Ligonier, Pa.  
 David Joseph Utrata, Columbus  
 Robert Anthony Ventresca, Columbus  
 Maryann Wagner, Marion  
 Michael John Wallace, Aliquippa, Pa.  
 Donald Eugene Walter, Columbus  
 Dorothy O. Walters, Columbus  
 Neil Martin Waugh, Mingo Junction  
 Robin Geoffrey Weaver, Columbus  
 Susan Marie Weaver, Columbus  
 Barbara Bendig Weinberg, Columbus  
 Howard Charles Weinberg, Cleveland  
 Herbert Townsend Weindorf,  
   Palm Beach Gardens, Fla.  
 Ronald Joseph Weisenberger,  
   Columbus  
 Lynn Elyse Wetterauer, Worthington  
 Mary Lucille Whapham, Ashtabula  
 Robert Dean White, Columbus  
 Alvin Carl Whyte, Columbus  
 Mary Louise Wildman, Shelby  
 Raymond Mark Wilkinson, Shelby

Howard Lon Williams, Jr., Columbus  
 Daniel Robert Wilson, Dayton  
 Anne Winkler, Lima  
 David Charles Winter, Baldwin, N. Y.  
 Devonah Long Winter, Columbus  
 Oyhan Wong, Columbus  
 Lelan Keith Woodmansee, Reesville  
 Jerome Daniel Young, Youngstown  
 Steven Robert Young,  
   University Heights  
 Michael Joseph Zavatsky, Bellaire  
 Alice Margaret Ziegler, Milford, N. J.  
 Barry Don Zucker, Shaker Heights

## Bachelor of Science

Fifty-nine candidates

Toney Lee Allman, Ashland, Va.  
 John George Baciu, Jr., Warren  
 Laura Louise Backus, Columbus  
 Harold Thorndyke Bailey, Jr.,  
   Loveland  
 James Joseph Baumann, Columbus  
 James Neil Brown, Columbus  
 Peter William Clute, Kettering  
 William Ralph Cohen,  
   Mayfield Heights  
 Mary Marjean Conwell, Marion  
 Paul Joseph Cook, Massillon  
 Fred Richard Curtner, III, Columbus  
 Glenn Stewart Davidson, Lima  
 Paul Huston Dillahun, II, Columbus  
 Richard Van Dorn, Columbus  
 Adrienne Wynona Douglas,  
   Spartanburg, S.C.  
 Ellen Dodson Draper,  
   Martinsville, Va.  
 Kenneth James Eichenbaum,  
   Rochester, N. Y.  
 Robert Harry Elias, II, Oradell, N. J.  
 Joseph Henry Fallon, IV, Cincinnati  
 Richard Lloyd Fuller, Jr., Columbus  
 Eugene Lazard Goldberg, Columbus  
 John Wesley Halley, Columbus  
 Kenneth Eugene Harris, Middleport  
 James Curtis Heckman, Ashland  
 Victoria Hollinger, Wooster  
 Lawrence John Krauss, Columbus  
 Douglas Russell Kruest, Columbus  
 Raymond Kucalaba, Youngstown  
 Samuel Neil Ladrach,  
   Washington C. H.  
 Joyce Elaine Lesko, Cuyahoga Falls  
 Catherine Sautter Long, Columbus

† Also Certificate of Graduate Dental Hygienist, College of Dentistry

## College of Administrative Science

Dean: James R. McCoy

### Bachelor of Science in Business Administration

Two hundred and eighty-four candidates

William Hamilton Ables, Jr.,  
Mt. Vernon  
Timothy Michael Adams, Toledo  
Terry Joseph Adelman, Norwalk  
John Bernard Albrink, III, Ironton  
Stephen Philip Allison, Akron  
Robert Peter Androne, Berea  
Michael Alan Babich,  
Cleveland Heights  
Craig Douglas Barclay, Newark  
Elliott Stanley Barkin, Cleveland  
Thomas Jeffrey Baron, Columbus  
Jay Reed Basil, Van Wert  
David Ian Beatson, Hamilton  
Jane Louise Beckert, North Canton  
John Thomas Bednar, Warren  
Richard Bender, Akron  
Gary Evan Berger, Fremont  
Solomon Beyene,  
Addis Ababa, Ethiopia  
Charles Timothy Bidek, Gibsonia, Pa.  
Kenneth Leslie Bless, Columbus  
Stephen Edward Boger, Fairborn  
Thomas John Bonasera, Warren  
Scott William Boyers, Cincinnati  
John Allen Brady, Columbus  
Jeffrey William Brantner, Columbus  
Jan Wayne Brelsford, Westerville  
John Harold Brimmer, Logan  
James Chester Britt, Jr., Columbus  
Bennie Homer Brooks, Jerry City  
Keith Howard Brooks, Youngstown  
Douglas Duval Brownlee, Cincinnati  
Louis Alan Brunnet, Cleveland  
Daniel Victor Buchman, Newark  
Bruce Alan Burgett, Hammondsville  
Kenneth William Butler, Jr.,  
Cincinnati  
Roger Clarence Byers, Columbus  
Bruce Arthur Canfield, Medina  
David William Telford Carroll, II,  
Columbus  
Jack Edwin Carson, Gahanna  
David Maxon Carter, Wilmington  
Steven Walton Case, Prospect  
Kathryn Wallace Chandler,  
Gladwyne, Pa.  
Seipoong Chang, Seoul, Korea  
L.L.B. (Seoul National University)  
Brent Elwood Chapman, Delaware  
Lawrence Robert Christy, Archbold  
Robert Bruce Claussen, Columbus  
Barbara Louise Connelly, Columbus  
Michael Dale Cooper, Zanesville

Robert Charles MacConnell, Columbus  
William Dennis Machen, Columbus  
Danny Patrick McCloy, Alliance  
Marilyn Margaret McGill, Union  
Linda Kay Meyer, Napoleon  
Joseph Patrick Mohan, Middletown  
Harvey Allen Nesser, Bellefontaine  
Donald Alan Perlmutter, Toledo  
Thomas Dean Plack, Galion  
Philip Ramsey, Detroit, Mich.  
Mark Gregory Rhoades, Columbus  
Linda Ayn Schofel, Deal, N. J.  
Robert Bruce Shapiro, Brooklyn, N. Y.  
Bruce Lindsey Smith, Columbus  
Carol Lyn Spangenberg,  
Brighton, Mass.  
Faith H. Teitelbaum, West End, N. J.  
John Thomas, Bergenfield, N. J.  
John Eric Thomas, Columbus  
Sherry Stienecker Vastbinder,  
Fairborn  
Lewis Eugene Williams, Jr.,  
Canal Winchester  
Kenneth Raymond Willoughby,  
Middletown  
Alan John Winarski,  
Willowdale, Ont., Canada  
Lyle Erik Winland, Toronto  
Meryl Lee Winnick, Woodmere, N. Y.  
Jeffrey Steven Zakem, Columbus  
Charles Ross Zalac, Girard  
Charles Michael Zarzecki,  
Garwood, N. J.  
Theresa Ann Zeyen, Columbus

## School of Journalism

### Bachelor of Arts in Journalism

Thirty-six candidates

Yvette Ackison, Ironton  
John Eric Arnold, Loudonville  
Leland Wright Bard, Piqua  
Shirley Nettie Brownell  
Monrovia, Liberia  
Silvana Mary Camboni, Columbus  
Norman Edward Cox, Reynoldsburg  
Marian Dickinson Deaton, Columbus  
Dianna Lyn Durr, Springfield  
Thomas Owen Ellis, St. Louis, Mo.  
Leon Friedland, Columbus  
James Ralph Hammock, Columbus  
Charles Irving Hazard, West Jefferson  
Patrick Arnold Heydinger, Shelby  
Michael David Holliday, Grove City  
Joseph Frank Jaworowski, Oberlin  
Mary Helen Kerger, Ashtabula  
Robert Leslie King, Watertown, Conn.

Warren Stephen Coopersmith,  
 Washington, D. C.  
 Robert Albert Corea, Niles  
 Richard Eugene Coss, Columbus  
 Paul Edwin Cotter, Jr., Worthington  
 Geoffrey Allan Cottier, Maumee  
 Brian Edward Crawford, Canton  
 Thomas David Croft, Evanston, Ill.  
 Gary Millard Cutrell, Newark  
 Douglas Alan Dabrowski, Dayton  
 Pablo DeRuiz, Columbus  
 Marianne Detrick, Kettering  
 Richard Aaron Dew, Columbus  
 Lieven Louis D'Huyvetter, Sunbury  
 Ronald Thomas Dillard, Dayton  
 Ronald Al Distl, Mansfield  
 Robert Richard Ditwiler, Lucas  
 Susan Merrill Doherty, Fairview Park  
 James T. Dunbar, Milford Center  
 George Richard Ebelberger, Columbus  
 Timothy John Elder, Columbus  
 Robert Gerard Emmett,  
 Merrick, N. Y.  
 Thomas Epstein, Cleveland Heights  
 Richard John Erickson, Port Clinton  
 David Benjamin Evans,  
 Bemus Point, N. Y.  
 Robert Benjamin Eversman, Jr.,  
 Cridersville  
 Carl Joseph Faehnle, Jr., Columbus  
 David Lee Fazio, Willard  
 Gary Wayne First, Lima  
 Duane Leroy Fish, Mansfield  
 Stanley Eugene Flegm, Troy, Mich.  
 Michael Allan Flynn, Lakewood  
 Jerry Sui Chell Fong, Erie, Pa.  
 Howard Leonard Friedlander,  
 Cleveland  
 Edward Arthur Friedman,  
 State College, Pa.  
 James Russell Friedman, Cleveland  
 Michael Allen Frush, Columbus  
 George Robert Frylinck,  
 Maywood, N. J.  
 Eugene John Gainar, Euclid  
 Gordon Lee Gaylord, Jr.,  
 Rochester, N. Y.  
 John Richard Giles, Jr., Newark  
 Philip Andrew Gockenbach, Columbus  
 Mark Randolph Goddard, Ashtabula  
 Rodney Earl Goldberg,  
 California, Pa.  
 Mark Ellis Gorchoff, Columbus  
 Michael Evan Grady, Ottawa  
 Leo Henry Graham, Logan  
 James Nicholas Grano,  
 Richmond Heights  
 Herbert Elwood Graves, Columbus  
 William David Griffing, Canton  
 Allen Jeffrey Gross, Wheeling, W. Va.  
 Lawrence Francis Gunsorek,  
 Columbus  
 Michael James Gustin, Canton  
 Urban Paul Hageman, Botkins  
 Robert Merrill Haines, Montpelier  
 Kirk Watson Hall, Berea  
 Charles Peter Hann, Seven Hills  
 Gregory Held, Worthington  
 Lawrence Edward Helman, Dayton  
 Ronald Crawford Hennen, Coshocton  
 Ronald Warren Henricks, Chillicothe  
 Rolin William Herron, Jr., Salem  
 Lawrence Olen Hilditch, Columbus  
 Gallen Lee Hite, Pataskala  
 Michael Lee Hively, Springfield  
 Patrick Joseph Hogan, Kettering  
 Dale Anthony Hohler, Milan  
 Bryce Haven Hooker, Uhrichsville  
 Leonard Lima Hopkins, Jr., Columbus  
 William Walter House, Franklin  
 Van Richard Hubbard,  
 Jefferson, N. Y.  
 Michael William Huber, Bucyrus  
 Frederick Joseph Hughes, Louisville  
 Stephen Charles Hunter, Dayton  
 Patrick Richard Hylant, Toledo  
 David Sharp Ingalls, Columbus  
 Thomas John Ives, Oberlin  
 Larry Gene Jennings, Bluffton  
 Brent Ernest Johnson, Lebanon  
 John Allison Johnson,  
 Jamestown, N. Y.  
 Edward Joseph Joyce, Mansfield  
 Anna Krista Juterbock, Maineville  
 Daniel Gene Kauffman, Columbus  
 Vicki Eileen Kaye, Elmont, N. Y.  
 William David Keckan, Cleveland  
 Robert David Kehrer, Columbus  
 John Albert Kelting, Rocky River  
 Ronald Keith Kincaid, Raymond  
 Peter James King, Jr., Trotwood  
 Mark Douglas Klingenberg, Ada  
 Robert Bernard Kohls, Hamilton  
 Marvin Lester Komerofsky,  
 East Cleveland  
 Kenneth John Konkell, Canton  
 John Lawrence Korthals, Euclid  
 Robert Dean Krawetzki, Sandusky  
 Edmund Louis Krohn, Columbus  
 George Frank Kurz,  
 New Milford, N. J.  
 Robert Elmer Lange, Jr., Rocky River  
 James Floyd Langell,  
 Newcomerstown  
 James Edward Lefkowitz, Beachwood  
 Robert Richard LeGros, Toledo  
 Marc Steve Lemkin, Bethpage, N. Y.  
 Bill Lee Lowry, Green Camp  
 John Frederick Lugger, Columbus  
 Donald Charles Mahanna,  
 Bound Brook, N. J.  
 Russell Lee Mail, Columbus  
 Joseph Robert Malone, Columbus  
 Carl Matthew Manofsky, Warren  
 Ronald Anthony March, Warren  
 Carolyn Diehlmann Markis,  
 Portsmouth  
 John Walter Mason, Salem  
 Robert Alan McCormick,  
 Reynoldsburg  
 Gregory Alan McDaniel, Cincinnati  
 Richard Keith McDaniel, Amherst  
 Dale Lynn McGirr, Alliance  
 Larry Cecil McIntire,  
 New Orleans, La.  
 Charles James McKee, St. Marys  
 Edward Frank Mears, Sandusky  
 Martin Joseph Mehall, Shelby  
 Carol Ann Miller, Columbus  
 Jeffrey Ernest Miller, Lima  
 Alex Millil, Lorain  
 Bartley Geter Millsaps, Jr., Akron  
 Thomas Charles Minnich,  
 West Milton  
 Stephen Arthur Mitchell, Columbus  
 Stephen Preston Moore, Fairborn  
 Eric Stephen Morris, Baltimore, Md.  
 Robert Lee Moses, Huntington, W. Va.  
 Jan Charles Mosser, Mankato, Minn.  
 Lawrence Edward Mueller, Columbus  
 Charles Dale Mullenix, Columbus  
 Patrick Richard Mundy, Salem  
 William Scott Musheno,  
 Parma Heights  
 Jerry Edward Nathan, Columbus  
 David Allen Newcomb, Bryan  
 Richard Dean Nichols, Seaford, N. Y.  
 Richard Joseph Nicolosi, Marion  
 Steven Ross Niebel, Lima  
 Alice Mae Nierenberg, Dayton  
 Robert Michael Novotny, Lorain  
 Beverly Ann Obert, Columbus  
 Kevin John O'Brien, Dublin  
 Gary Lee Overholt, Spencerville  
 Theodore Lee Owens, East Liverpool  
 Richard Alan Oxender, Kunkle  
 Harold DeWolf Paddock, III, Aurora  
 Michael Robert Peach, Akron  
 Tony Michael Penzone, Columbus  
 Frank Robert Peterson, Akron  
 John Bradley Pierce, Alexandria, Va.  
 Craig Bruce Piersall,  
 Grand Junction, Colo.  
 Jack Pitt, Cleveland Heights  
 Earl William Pittman, Newark  
 Barry Howard Platnick,  
 Merrick, N. Y.

Richard Louis Pollack,  
Fair Lawn, N. J.  
Ralph Earl Price, Cincinnati  
Thomas Matthew Quilter, Marion  
Norman David Raymer, Brunswick  
Ronald Adolph Raymer, Adena  
Melvin Clarence Ree, Jr., Newark  
Frank Edward Reeves, Bellevue, Ky.  
Michael James Reilly, Columbus  
Richard Edwin Reinhardt, Elyria  
Errol Reiter, Youngstown  
Mary Ann Rhoad, Washington C. H.  
Dorothy May Patricia Rickards,  
London  
James Michael Ridenour, Columbus  
Stephen Charles Riggs, Mt. Gilead  
Thomas John Roberts, Racine, Wis.  
Guillermo Justo Rojas, Piura, Peru  
John Francis Ryan, Columbus  
Theodore Joseph Samuel, Rocky River  
Lenhart Donald Saner, Clyde, N. Y.  
Phillip Joseph Sbrochi, Columbus  
Leonard Charles Schiefer, Columbus  
Kenneth Charles Schmader, Canton  
Marla Fern Schmittke,  
Shaker Heights  
Douglas Alfred Scorrar,  
Ottawa, Ont., Canada  
Robert William Setterlin, III,  
Columbus  
Steven Shabshelowitz, Union, N. J.  
David Bruce Shaffer, Mansfield  
James Patrick Shannon, Columbus  
Mark Shapiro, University Heights  
Timothy Klein Shilt, Dayton  
Kenneth Owen Shull, Sylvania  
Michael Alan Simms,  
University Heights  
Alan Irvin Simon, Louisville, Ky.  
Richard Lee Simon, Shaker Heights  
James Burch Skirvin, Jr., Ironton  
Charles Eugene Smart, Jr., Canton  
Jon Irvin Smith, Toledo  
Wayne Eugene Smith, Columbus  
Jeffrey Howard Spiegel,  
Cleveland Heights  
James Franklin Stapleton, Columbus  
Larry Charles Stecklow,  
Broadview Heights  
Daniel Edward Steimle, Cincinnati  
David Jay Steinberg, Bronx, N. Y.  
Stefan Savarsson, Reykjavik, Iceland  
Gerald Tim Sweeney, Columbus  
Richard Anthony Talbott, Powell  
Walter Russell Taylor, Jr., Columbus  
Larry James Teets, West Mansfield  
Eugene Charles Thompson, Parma  
Robert Ernest Thorngate, Jr.,  
Kettering

William Douglas Tippie, Bryan  
Vincent Gene Trovato, Columbus  
James Frank Trytek, Cleveland  
Lee David Tucker, Rochester, N. Y.  
Jean Ulle, Euclid  
Carl Richard Vogelsang, Canton  
James Robert Waggoner, Dayton  
David Lynn Wahl, Southfield, Mich.  
William Barry Warford,  
Southfield, Mich.  
Edwin Boyd Waser, St. Clairsville  
Stephen Gasper Weiss,  
Beachwood  
Gale Weltman, Cleveland  
Thomas Allen Wendling, Lakewood  
Barton Winston Weprin, Dayton  
James Edward Wesner, Chillicothe  
William Howard Whalen, Youngstown  
Leon John Wieber, Sandusky  
Arthur Fred Wilcoxson, Jr.,  
Springfield  
Jerry Bruce Williamson, Columbus  
Edward Albert Wilson, Heath  
Harold Allan Wilson, Buffalo, N. Y.  
Michael Allen Wilson, Batavia  
William Reese Wilson, Newark  
Robert Lawrence Wise, Louisville, Ky.  
Stephen Herbert Witwer, Dayton  
Peter William Wolfe,  
New Hyde Park, N. Y.  
Samuel Gordon Woodrow, Columbus  
Richard Allen Wuenker, Cincinnati  
Arthur Wayne Yerty, Jr., Columbus  
Sidney Alan Young, Mansfield  
Zoltan Frank Zander, Canton  
Kenneth Terry Zarin, Cleveland  
William Charles Ziegler, Canton  
James Anthony Zingale, Aurora

## School of Social Work

### Bachelor of Science in Social Welfare

Ninety-four candidates

Rochelle Janis Albert, Toledo  
Peyton Eley Almond, Jr.,  
Blanche Addition  
Susan Lynn Archer, Steubenville  
Christine Marya Aubert, Aurora, Ind.  
Marcia Fern Barron, Beachwood  
Lee Ann Bayer, University Heights  
Douglas Peter Beal, Shaker Heights  
Ellen Faye Berliner, Columbus  
Melvin Lee Blackstone, Carroll  
Diane Arlene Broberg,  
St. Paul Park, Minn.  
Jill Broudy, McKeesport, Pa.  
Jan Barbara Brown, Mayfield Heights

Janet Stone Brown,  
University Heights  
James Kenneth Caldwell, Columbus  
Susan Ann Carlson,  
Colorado Springs, Colo.  
Nancy Loss Clark, Lima, N. Y.  
Gail Ann Cornett, East Canton  
Patti Ann Dennis, Cleveland  
Sheila Kay Drennen, Waverly  
Linda Jean Elman, Shaker Heights  
Russel Scott Falck, Reynoldsburg  
Carolyn Sue Fitzsimons,  
New Waterford  
Melinda Florence Gaty, Worthington  
Karen Elaine Genter, Cincinnati  
Ann Cecelia Gibb, Morral  
Mary Clark Grau, Columbus  
Linda Degener Hall,  
Egbertsville, N. Y.  
Dennis Patrick Hamilton,  
West Trenton, N. J.  
Richard Dale Headley, Jr., Columbus  
Mary Jane Heaton, Columbus  
Marilyn Louise Heffner, Columbus  
Barbara Davidson Helm, Youngstown  
Toni Allana Heverly,  
New Philadelphia  
Richard Henry Hollander, II,  
Columbus  
George Richard Howard, Leipsic  
Nancy Elizabeth Huston, Columbus  
Nancy Carol Jablonowski, Brooklyn  
John Phillip Jeffcoat, Tampa, Fla.  
Eric Konrad Jones, Chagrin Falls  
Barbara Lois Lassoov,  
New Bedford, Mass.  
Virginia Lucille Lawlis, Cambridge  
Paul Henry Lepp, Tallmadge  
Phyllis Linn Lofton, Bucyrus  
Antoinette Lucarelli, Warren  
Clara Gillespie Majewski,  
Rocky River  
Sheryl Louise McKee, Mt. Vernon  
James Allen Messenger, Shelby  
Kathleen Anne Metz, Lima  
Jocelle Elayne Netting, Columbus  
William Alan Oden, Worthington  
Lynn Whitaker Phillips,  
Weirton, W. Va.  
Charlotte Ann Pollard,  
Kirkville, N. Y.  
Agnes Belle Rae, Bowling Green  
Eric Steven Rehm, Shaker Heights  
Joan Carol Reichenbach, Columbus  
Elizabeth Childress Riedy, Massillon  
Barbara Bennett Rodman,  
Buffalo, N. Y.  
Paula Rosenstein, Great Neck, N. Y.  
Donna Gay Roush, West Union

## College of Agriculture and Home Economics

Dean: Roy M. Kottman

Penny B. Rubin,  
East Rockaway, N. Y.  
Kathryn Louise Runde, Columbus  
Anne Bolduc Santoro, Cincinnati  
Joyce Ann Schampier, Mansfield  
Caryn Scheffres, Woodmere, N. Y.  
Sherry Elaine Schoenfeld,  
New York, N. Y.  
Alice Beth Schottenstein, Columbus  
Marlene Greenfield Schultz, Dayton  
Julia Ann Searle, Columbus  
Martha McFadden Seidensticker,  
Columbus  
Lynn Faye Shapiro, Pittsburgh, Pa.  
Pamela Fogt Shaw, Lima  
Deborah Faye Shellenbarger,  
Johnstown  
Nancy Ann Sheskey, Columbus  
Paula Rae Shufelt, Bellevue  
Janilyn Gay Shuman, Springfield  
Katherine Marie Smith, Galena  
Phyllis Irene Smith, Ames, Ia.  
Ellen Sara Socol, Lakewood, N. J.  
Constance Jean Steele, Marion  
Victor Ronald Stottlemeyer,  
Louisia, Ky.  
Nettie Ruth Sturgeon, Harpster  
Jan Dalene Thompson, Wooster  
Christine Louise Tillotson, Lima  
Elizabeth Annable Timm, Rocky River  
Mary Ann Tonnies, Cincinnati  
Violet Ann Wallace, Portsmouth  
Carolyn Elaine Washington,  
Cincinnati  
Charles Thomas Wein, Columbus  
Sally Ann Weinbren, East Liverpool  
Linda Yvonne Wetters, Worthington  
Sandra Kay Wolter, Medway  
Rebecca Jean Woodford, Niles  
Emily Wyman, Silver Spring, Md.  
Daniel Edward Young, Mansfield

### Bachelor of Science in Agriculture

Two hundred and forty-four candidates

David Howard Adamkin,  
North Massapequa, N. Y.  
Raymond John Adamski, Conneaut  
Gary J. Agler, Eldorado  
George Franklin Allion, West Unity  
David Bruce Allmon, Carrollton  
Stephen Edward Andrews, Baltic  
Jerry Louis Angst, Hamilton  
Thomas Michael Archer, Sidney  
Richard Park Arter, Crestline  
Ronald Dean Augenstein, Lowell  
James Phillip Bach, Belle Center  
Gary Lowell Baker, Salem  
Stephen Kay Barnhart, Springfield  
Robert Lee Barrett, Bryan  
Russell Kirby Barrick, Jr., Johnstown  
Dennis Frederick Bartter,  
Columbia Station  
Marshall Alan Bash, Columbus  
Larry Dean Batdorf, Wauseon  
Nelson Eddie Bateman, New Weston  
James Alton Beamer, Canton  
Leslie Dee Beckel, Cardington  
John David Becker, Marysville  
David William Belitsky, Akron  
James Robert Bertsch, Sandusky  
Stephen Arnold Boeder, Lima  
Keith Persons Bohley, Medina  
Paul Andrew Bokros, Westerville  
Jack Charles Bontley, Columbus  
James Herbert Bope, Newark  
Harry Edwin Bouton, Mt. Vernon  
David Charles Boyer, Ashland  
Richard Allan Brown, Reynoldsburg  
Michael Brent Campbell,  
Washington C. H.  
Larry Dale Cline, Prospect  
Clayton Henry Coffey, Groveport  
Harmon James Conrad, Sterling  
Jerome James Coughlin, Paulding  
John William Cougill, Westlake  
Bruce Ivan Darbee,  
South Wales, N. Y.  
David Holle Davies, Cincinnati  
Philip Lawrence Davis, Leesburg  
Raymond Albert Dawson,  
Cambria Heights, N. Y.  
Francis Joseph DeDourek, Cleveland  
John Samuel Deeds, Rawson  
Vincent James DeFazio, Hamilton  
Arthur Lee Deisher, Bellefontaine  
Dennis Carl DeLong, Nevada  
Roland Edward Dewitz, Oak Harbor  
James Emil Dill, Lockbourne  
John Edward Dilley, Blue Rock

William Elton Easterday,  
Spring Valley  
Thomas Darwyn Edwards, Oak Hill  
Fredrick Wayne Ehlerding,  
Port William  
John Michael Ellinger, Logan  
Verne James Fairhurst, Mogadore  
John Vernon Fark, St. Marys  
Steven Paul Ferris, Georgetown  
Thomas Jay Fleming, Lafayette  
Jackie Lee Fling, Westerville  
Albert John Forster, Howard  
Elden Karl Foulk, Jr., Urbana  
Raymond Maurice Fournier,  
Steubenville  
David William Fox, Upper Sandusky  
Steven Allen Frowine, Portsmouth  
Ralph Michael Funderburgh,  
North Lewisburg  
Michael Martin Gahn, Port Clinton  
Richard Earl Giffen, Camden  
Earl John Gilliland, Jr., Curtice  
James Edward Grah, Sandusky  
Dean Peters Gray, Lisbon  
Glenn William Gray, Ashville  
Michael Vernon Grieses, Sidney  
Steven Robert Grimes, Orrville  
Richard Alan Grove, Shelby  
Stephen Franklin Hanson, Lewisville  
Steven Dennis Hart, Union City  
Hugh Richard Hayman, Tiffin  
John Charles Hayne, Wadsworth  
John Edward Heinrich, Toledo  
Dickey Leroy Helman, Greenville  
Perry Alden Higgins, Columbus  
James Edward Hoadley, Ashtabula  
Eduardo Leon Hoet,  
Caracas, Venezuela  
Douglas Charles Holtz, Columbus  
Larry Kim Honsberger, Perrysburg  
Robert David Hottle, Hillsboro  
Terry Craig Howell, St. Paris  
Steven Willis Inghish, Lewis Center  
Larry Wayne Insley, McComb  
Jerry Lee Jackson, Van Wert  
Paul Leroy Jacquemin, Hamilton  
Brian Jeffers, Ridgeway  
Roger Alten Kanchuk, Cleveland  
Karl Richard Karg, Bellefontaine  
Charles Cheuvront Keil, III, Lima  
Roger Lee Kiko, Louisville  
Frederick Allen Kinsey,  
New Philadelphia  
Dean Melvin Kite, St. Paris  
Jerome Louis Klingler,  
Harrison, N. Y.  
Clement Alfred Knapp, Mogadore  
Raymond Lee Koch, Wapakoneta  
James Lee Kossow, Hamler

Charles George Kozuskanich, Warren  
 James Joseph Kreinbrink, Findlay  
 David Charles Kress, Caldwell  
 Charlotte K. Kruckeberg, Palestine  
 Thomas George Kruse, Solon  
 \*William Elmer Kunkle, Alvordton  
 Michael Blaine Lafferty, Dayton  
 Larry Everett Laing, Reynoldsburg  
 Anthony Aloysius Lause, Custar  
 Roger Edward LaVigne, Norwalk  
 Stephen Jerome Layman, Kenton  
 Donald Richard Leeds, Monroe  
 Glenn Willis Lees, Alexandria  
 Charles Henry Linert, Solon  
 Dennis Joe Lochner, Union  
 Arthur Russell Logan, Farmdale  
 Thomas Carl Logsdon, Cleveland  
 Malcolm Clyde Loomis, Chardon  
 Joseph Frederick Loughlin, Piqua  
 James Lee Maassel, Deshler  
 David Victor Malinovsky, Columbus  
 Philip Kent Manuel, Palestine  
 Christopher Mapondera,  
 Salisbury, Rhodesia  
 Richard Russell Martin, Oak Harbor  
 Ralph Martinsek, Cleveland  
 Peter Burton Mason, Columbus  
 David Herman Mautz, Ravenna  
 Harry McAuley, Caldwell  
 Mark Warren McKay, Wilmington  
 Margaret Jane McMahon, Medina  
 Dennis Lee McOwen, Pandora  
 \*Ioannis Michael, Limassol, Cyprus  
 Keith Edwin Miller, Wheelersburg  
 Roger Allen Miller, Polk  
 Thomas Alan Miller, Cincinnati  
 Dennis Ray Mills, Mansfield  
 Alan George Moore, Norwalk  
 Michael Bruce Moore, New Carlisle  
 David Alan Munn, Grafton  
 Norman Eugene Murray, Old Fort  
 Thomas Edward Myczkowski, Parma  
 Earl George Nicodemus, Baltimore  
 James Richard Nussbaum, Streetsboro  
 Howard Charles Ogle, Ashland  
 Steven Morris Ostgaard,  
 Milford Center  
 Rex Allen Oyer, Wauseon  
 Cleve Scott Parkhurst, Vickery  
 David Myron Parry, Hillsboro  
 Gary Wayne Perkins, Beallsville  
 Richard James Pfeifer, Mansfield  
 Ronald Leo Phillips, Deshler  
 Ronald Eugene Pierce, Laura  
 Steven Bruce Poling, Dunkirk  
 David John Post, St. Henry  
 James William Pratt, Jr.,  
 Mechanicsburg  
 Gary Charles Price, Avon Lake

Webster Charles Propper,  
 Annandale, N. J.  
 David Andrew Pugh, Columbus  
 Thomas William Pulse, Hillsboro  
 Kathleen Noel Putnam, Uhrichsville  
 Randy Richard Rausch, Marysville  
 Gilbert Dean Rauschenberg, Sterling  
 Merle Lewis Reich, Jerusalem  
 Mary Kathryn Reinhard, Grove City  
 Dale Anthony Reveglia, Grafton  
 James Ronald Rickenberg, Deshler  
 Alan Ira Riemer, Cleveland  
 John Joseph Riethman, Maria Stein  
 Ronald Paul Rindfuss, Bucyrus  
 Alan Leslie Robbins, South Euclid  
 Thomas Merrill Roberts, Hilliard  
 James Loy Rush, Marysville  
 James Perry Rust, Sharon, Pa.  
 Craig Richard Salhoff, Elida  
 Clair Leslie Sanders, Waynesfield  
 Roland Charles Sandroock, Curtice  
 John Forrest Schar, Bloomville  
 David Theodore Scheid, Lima  
 Nancy Josephine Scholl, Franklin  
 John Shannon Scott, Walhonding  
 Michael James Shertzer, Fremont  
 Marvin Leroy Shively, Hamler  
 Karl Philip Sieg, Ridgeway  
 Craig Richard Silberman, Columbus  
 David Lynn Smith, Cadiz  
 Dennis Duane Smith, North Canton  
 Kenneth Eugene Smith, Jefferson  
 Paul Lester Snyder, New Carlisle  
 Daniel Elwood Soales, Greenfield  
 Michael Philip Somerville, Toledo  
 William Ronald Staib, Walbridge  
 John Frederick Steiner, Orrville  
 Jeremiah Francis Sterner, Somerset  
 Dale Emerson Stickel, Pemberville  
 Thomas James Stonebrook, Massillon  
 Glenn Arthur Stout, McArthur  
 Gary Lorne Strausbaugh, Fostoria  
 William Eagle Summers, III,  
 Washington C. H.  
 Robert James Sunderman, Deshler  
 Garrett Eugene Swendal, Danville  
 James Walter Swinehart, Wooster  
 Walter Scott Telford, Jr., Goshen  
 Jerry Jay Thomas, Rootstown  
 Donald Allen Thompson,  
 Flemington, N. J.  
 Brian John Thrasher, Westlake  
 Hugh Byer Trimble, III, Dayton  
 Jon Michael Turner, Hillsboro  
 Thomas Bruce Turner, DeGraff  
 Edward Carl Umsted, Circleville  
 Thomas Andrew Urbansky,  
 Wellington  
 James David VanFossen, Croton

Donald Lee VanNostran, Copley  
 James Robert Vanzant, Bainbridge  
 Joseph Dale Vodraska, Seven Hills  
 Helmut VonLoewe, Richmond Heights  
 Clayton Forrest Wagner, Wapakoneta  
 Roger Randolph Wallace,  
 Bloomingdale  
 John Dennis Wallrabenstein, Milan  
 Bruce Allen Walter, Dover  
 Alan F. Walters, Brooklyn, N. Y.  
 Samuel Raymond Waltz,  
 New Philadelphia  
 Stephen Darrell Warner, Newark  
 Donald Lee Watkins, Sidney  
 Dennis Lynn Weinau, Milan  
 Richard Owen Weisenberger, Norwalk  
 William Frederick Weltin,  
 Green Springs  
 Larry Melvin Wendt, Napoleon  
 Gerald Eugene Wenger, Louisville  
 Stephen Douglas Werk, Waynesville  
 Patrick Brian Whidden,  
 Berlin Heights  
 Kenneth Michael White, Loudonville  
 David Paul Whittingham, Westerville  
 Robert Lewis Wichman, Cincinnati  
 Wayne Arthur Wieland, Chardon  
 Jeffrey Holman Wiley, Norway, Me.  
 Fred Carl Winters, Rio Grande  
 Donald B. Wolf, Xenia  
 Barry Lee Workman, Danville  
 Howard Earl Workman, Mt. Vernon  
 Donald LeRoy Wyse, Wauseon  
 Carol Jean Young, Columbus  
 Douglas Joseph Zobrist, Dayton

#### **Bachelor of Science in Food Technology** One candidate

John Charles Strayer, Maumee

#### **Bachelor of Science in Nutrition** Two candidates

Dwight Bert Burk, Chagrin Falls  
 David William Drake, Columbus

#### **School of Home Economics**

#### **Bachelor of Science in Home Economics** Ninety candidates

Susan Kay Anderson, Bay Village  
 Bethel Jane Andrews, Columbus

\* Also Master of Science, Graduate School

## College of Dentistry

Dean: John R. Wilson

Sally Ann Armel, Columbus  
 Carolyn Ann Ater, Clarksburg  
 Jean Yeager Ayers, Columbus  
 Sara Margaret Azallion, Dillonvale  
 Alice Karen Babb, London  
 Judith Ann Bailey, Barnesville  
 Janet Irene Baker, Gallion  
 Rebecca Jane Bales, Eaton  
 Barbara Jane Barnhart, Columbus  
 Susan Lee Bashor, Cincinnati  
 Bonita Jean Bonzak, Parma  
 Linda Susan Bornstein, Columbus  
 Susan Kathleen Caffrey,  
   North Syracuse, N. Y.  
 Jo Ann Cain, Troy  
 Patricia Lynn Caudy, Columbus  
 Sharon Kay Cecil, London  
 Beverly Louise Cohagen, Springfield  
 Diana Rae Connell, Columbus  
 Jo Ellen Golden Cook, Lima  
 Martha Sue Corcoran, Chillicothe  
 Carol Jean Cross, Cambridge  
 Regran Linn Davis, Kinsman  
 Sharon Theta DeLong, Laurelville  
 Roberta Judith Dix, DeGraff  
 Kathryn Grace Dubbins, Cleveland  
 Cynthia Ann Eggers, Napoleon  
 Marilyn Sue Ellis, Cleveland Heights  
 Carolyn Rose Erbaugh, New Carlisle  
 Marcia Funderburg Evilsizor,  
   New Carlisle  
 Donna Jean Failor, Columbus  
 Jennifer Lewis Finelli, Columbus  
 Kristine Smith Fout, Columbus  
 Claudia Louise Fraher, Columbus  
 Merrilyn Alene Freeman, Marysville  
 Jo-Ann Friedman, Columbus  
 Mary Ann Frost, Pittsburgh, Pa.  
 Anne Taylor Glavan, Columbus  
 Sally Ann Gordon, Creston  
 Marilyn Ann Gorman, Cincinnati  
 Teresa Kay Habegger, Rockford  
 Carolyn Louise Hall, Hilliard  
 Margaret Ellen Heath, Columbus  
 Judith Bernice Hirschfeld,  
   New Bremen  
 Kathleen Clawson Hooks, Columbus  
 Janet Marie Hopkins, Hillsboro  
 Patricia Margaret Hummer,  
   North Syracuse, N. Y.  
 Maija-Liisa Nousiainen Karki,  
   Columbus  
 Janet Lee King, Columbus  
 Mary Lee Knoop, Casstown  
 Ann Louise Kolodzik, Columbus  
 Mary Frances LaValley, Columbus  
 Barbara Ann Leedle, Springfield  
 Penelope Sue Loudon, Urbana  
 Eileen Rogers Lucas, Marietta

Kaylene Yuk Lin Mau,  
   Honolulu, Hawaii  
 Pamela Jean Mecheski,  
   Park Ridge, N. J.  
 Janet Joyce Meeks, Lima  
 Karen Lee Mitchell, Columbus  
 Cecelia Oviatt Murphy, Cleveland  
 Marcia Breece Nevin, Sidney  
 Mary Kimball Norris, Columbus  
 Carol Ann Perry, Vickery  
 Mary Price Piras, Columbus  
 Linda Wood Prout, Lima  
 Deborah Ann Reese, Mansfield  
 Judith Lynn Resch,  
   Lower Burrell, Pa.  
 Leah Christine Rickly, Amanda  
 Carolyn Louise Ross, Nevada  
 Evelyn Luise Rowoldt, Canton  
 Monique Crowe Schlotterbeck,  
   Lewisburg  
 Susan Alice Schopfer, Villanova, Pa.  
 Janet Ann Schramm, Trenton  
 Sandra Schwartz, Elyria  
 Jennifer Lynn Sedgwick, Columbus  
 Sarah E. Shultz, DeGraff  
 Diane Michele Smith, Cuyahoga Falls  
 Connie Louise Spiess, Liberty Center  
 Patricia Lynn Storch, Columbus  
 Susan Grindell Tomlinson, Richwood  
 Mary Jane Van Fossen, Strasburg  
 Mary Joanelle Wargo, Caldwell  
 Linda Louise Wesemeyer, Grafton  
 Linda Marie West, Columbus  
 Nancy Jane White, Youngstown  
 Patricia Ann Whiteside, Columbus  
 Barbara Jo Wilchek, Berea  
 Jane Pringle Winkler, Cleveland  
 Ellen Allison Young, Circleville

### Bachelor of Science in Restaurant Management

Four candidates

Larry Wayne Helmick, Norton  
 Stephen Edward Hopewell, Hillsboro  
 Thomas Joseph Nastars,  
   Schenectady, N. Y.  
 Eric Morgan Slocum,  
   Scottsville, N. Y.

### Doctor of Dental Surgery

One hundred and thirty-eight candidates

Jeffrey Sheldon Ackerman, South  
 Euclid  
 Stephen Ralph Arlin, Lima  
 David Allen Baab, Wooster  
 B.A.  
 Robert Trew Baesel, Cincinnati  
 William Winston Baughman, Jr.  
 Huron  
 B.A. (Ohio Wesleyan University)  
 Robert Warren Baxter, Jr., North  
 Canton  
 B.S. (Heidelberg College)  
 James Lester Beatty, Canton  
 A.B. (Miami University)  
 David Charles Becka, Cleveland  
 B.S.  
 Jerry Michael Benis, Cleveland  
 Norman Kent Berg, Dalton  
 B.S. in Edu.  
 Edgar Louis Berre, Jr., Cincinnati  
 B.S. (Heidelberg College)  
 James Stephen Bershon, Akron  
 James Patrick Birong, Fairview  
 Ronald David Bissell, Cincinnati  
 Roger Joseph Blank, Jr., Toledo  
 B.S. (University of Toledo)  
 Don Patrick Bowermaster, Hamilton  
 James Henry Bright, Sandusky  
 B.S. (Miami University)  
 John Arthur Burmeister, Lancaster  
 A.B. (Wittenberg University)  
 William Graham Byrne, Columbus  
 A.B., B.S. in Ed. (Wittenberg  
 University); M.A.  
 Phillip Elwood Caldwell, Urbana  
 A.B. (Miami University)  
 Bruce Robert Canning, Youngstown  
 Ronald Anthony Cimaglio, Painesville  
 B.A.  
 Donald Franklin Coder, Raymond  
 Patrick Joseph Constantine,  
 Youngstown  
 James John Cook, Norwalk  
 B.A.  
 Thomas William Cordrick, Cleveland  
 B.S. (Ohio University)



James Lee Cornett, Archbold	Dennis Lynn Johnson, Toledo	Louis Richard Mott, Urbana B.S. in Ed. (Kent State University)
Thomas Harold Davidson, Lexington B.S. in Ed. (Ashland College)	Kenneth DeVaughn Jones, Elyria	Michael Earl Murphy, Wadsworth
Kenneth Junior Davis, Upper Sandusky	David Thomas Jonke, Euclid B.S. (Xavier University)	Gary David Myers, Ashtabula B.S.
Bryant David Denk, Millersburg B.S.	Michael Robert Kaludy, Akron	William Wallace Nagy, Akron B.S. (University of Akron)
Timothy Lou Donerkiel, Lorain B.S. in Phar.	Michael Arthur Kelly, Portsmouth	Ronald Ellis Nassar, Toledo
Kenneth Edwin Endicott, Columbus B.S.	Nicholas Michael Kentris, Fostoria B.S.	Todd Lee Needham, Lakewood B.S. in Ed. (Wittenberg University)
William Richard Evans, Cleveland B.S.	Steve Edward Kiltau, Akron B.A. (University of Akron)	James Jacob Nyland, Ashtabula B.S.
John Karl Eversman, New Knoxville	Stuart Klassman, University Heights B.S. (Miami University)	Thomas Kevin O'Connor, Cleveland A.B. (College of The Holy Cross)
Gregory Furin, Campbell	Jack Roger Kneisley, Dayton	Michael Warren Ogborne, Lakewood, N. J. B.S. (Hillsdale College)
Philip Frank Galat, Akron	Harold David Knepschild, Jr. Middletown B.A.	Raymond David Ornstein, Shaker Heights B.A. (Northwestern University)
Charles Andrus Gill, Dayton	David Ludwig Knowlton, Kettering B.S.	William Harold Osborne, Mt. Gilead B.S.
Terrence James Gray, Grove City B.S.	Kenneth Lee Kopittke, Perry	Rodney Wayne Owen, Mansfield
Frank John Guerrier, Leetonia	Robert Frank Legan, Cleveland B.S. (University of Dayton)	Richard Gabriel Pankuch, Middleburg Heights
Robert Charles Hadacek, Fostoria	William John Lightfoot, Shaker Heights	David Carl Pardo, Fremont
John William Hanna, Lisbon B.S. (Westminster College)	Richard Egon Loeckel, Mansfield	Lawrence John Pfell, Middleburg Heights B.S.
Robert Harrison Hay, Cincinnati B.A. (Denison University)	Kenneth James Lowry, II, Huntington, W. Va.	Kirby Eldon Poling, Crystal River, Fla. B.S. (Central State College)
Robert Dane Heitzman, Wellston B.S. (University of Michigan)	Thomas Charles Lyle, Columbus B.S. in Bus. Adm.	Michael Paul Porterfield, Brecksville B.A.
George Gregory Henley, Barberton	Michael Leroy Manchester, Kettering B.S.	Philip Martin Primmer, Lancaster B.A.
David Shannon Hess, Mansfield	Don Garner Marshall, Dayton	David Mark Primo, Cleveland B.S. (Muskingum College)
Edward William Hesse, Cincinnati B.A. (University of Cincinnati)	Richard Allen Mauger, Columbus	Douglas Randolph, Dayton B.S. (Ohio University)
Charles Floyd Hildebolt, II, Eaton B.S.	Bruce Newcomb McFadden, Orrville A.B. (Miami University)	Patrick Leo Rankin, Columbus B.A.
Douglas Raymond Hoefling, Kettering B.S.	Wayne Paul Michaelis, Bowling Green B.S. (Bowling Green State University)	Lewis Harry Richardson, Parma Heights
Thomas Gilbert Hoffman, Rocky River B.S. in Edu.	Raymond Marshall Miller, Pierre, S.D. B.S. in Ed. (Northern State Teachers College)	Stephen Blaine Riggs, Athens B.S. (Ohio University)
Stuart Alan Hughes, Greenville B.S. in Ed. (Bowling Green State University)	William Edward Mills, Groveport A.B. (Miami University)	Robert Allen Ringgenberg, Fort Wayne, Ind. B.S. in Phar.
James Richard Ingrassia, Amherst B.S. in Phar.	Robert Glenn Moan, Jr., Toledo	
Joseph Mathias Irmen, Maumee B.S. (University of Toledo)	James Carl Moeller, Barberton	
Theodore Scharon Jarvis, East Liverpool	Jackrit Mongkollugsana, Bangkok, Thailand	
Robert Merle Jaynes, Galena B.S.	Joseph Patrick Mooney, Cincinnati	
	Richard Stephen Morgan, Marion B.S. (Denison University)	

Paul Nedrow Ross, Bellevue, Wash.  
A.B. (Miami University)

Philip Roth, South Euclid  
B.S.

Michael Thomas Schaeffer, Cincinnati  
B.S. (Xavier University)

Thomas Barney Schaide, Cleveland  
B.A.

Arthur Eugene Sheppard, Philo  
B.S. (Capital University)

Richard Allen Sherriff, Cleveland  
Heights  
B.A.

William Lee Simko, Cleveland  
B.S. (Ohio University)

Barry Joel Simon, Cincinnati

Joel Slaven, Columbus

Gary Allen Sloan, University Heights

Robert Neil Smyth, Parma

Herbert Glendon Spangler, Jr.,  
Columbus

Jon Edward Staley, Columbus  
B.S.

Gary Alan Steinberger, Cleveland  
B.S.

Keith Patrick Straka, Steubenville  
B.S. (Ohio University)

Edward Arthur Striker, Cincinnati  
B.A. (University of Louisville)

Robert Bray Taylor, Middletown  
A.B. (Miami University)

James Edward Ullmer, II, Dayton

Thomas Joseph Verhoff, Columbus

Harold Lloyd Voss, Columbus  
B.A.

Robert Stephen Webber, Shaker  
Heights  
B.A.

Jeffrey Randall Wentworth, West  
Hartford, Conn.  
A.B. (Kenyon College)

William August Westendorf,  
Cincinnati  
B.S. (Xavier University)

Kenneth Eugene White, Lima  
B.S. (Ohio Northern University)

Mara Velme White, Toledo

Russell Albert Wilbourn, Worthington

Peter Douglas Will, Dayton  
A.B. (College of The Holy Cross)

Roger Dale Winland, Pleasant City  
B.A.

Michael Leonard Woods, Kenton

Thaddeus John Zak, Toledo

Michael Ralph Zetz, Canton  
A.B. (Colgate University)

### Certificate of Graduate Dental Hygienist

Seventy-six candidates

Carol Ruffell Andrews, Findlay  
Pamela Ann Andrews, Hicksville  
†Norene Lee Armstrong, Columbus  
†Janis Elaine Baisel, Lakewood  
Marcia Sue Beebe, Marietta  
Melanie Jones Bolyard, Cambridge  
Linda Ann Bruns, Columbus  
Kathleen Hanley Caruso, Marion  
Kathleen Jo Cox, Toledo  
Linda Sue Curtis, Tulsa, Okla.  
Leslie Bohl Davis, Columbus  
Marsha Jean DeLor, Sandusky  
Terri Ann Dennis, Columbus  
Linda Maria Dominik, Celina  
Susan Jane Dotter, Baltimore, Md.  
Linda Ruth Ellison, Dayton  
Susan Marie Erickson, Ashtabula  
†Cheryl Ann Garber, Pittsburgh, Pa.  
†Jeanne Marie Gliebe, Fairview Park  
Brenda Heisler Goller, Hicksville  
Charlene Gardner Hackett, Delaware  
Mary Kathleen Haley, Dayton  
†Dale Jean Harshman, Lima  
Kathleen Blaser Heacock,  
Cuyahoga Falls  
Karen Jeanne Hires, Toledo  
Carolyn Louise Hopson, Hilliard  
Linda Lou Inbody, Findlay  
Nancy Jean Jackson, Cincinnati  
Eileen Marie Johnston, Columbus  
Nedra Seaman Kimmel, Xenia  
Marjorie Heigle Kiser, Gahanna  
Catherine Rae Knecht, Columbus  
Linda Irene Krech, Columbus  
Linda Thompson Kring, Gahanna  
Gloria Marie Kunstman, Cincinnati  
Jacquelyne Sue Lalonde, Defiance  
Jennifer Gene Leas, Cincinnati  
Karen Elaine Lesch, Mansfield  
Joan Carol Linder, Dayton  
Ellen Wacksman Loveless, Columbus  
Bonnie Dodd Lubitz, Cincinnati  
Sara Elizabeth Macklin, Columbus  
†Marylin Jane Marrinson, Cincinnati

Patricia Anne Mayer, Cincinnati  
Colette Mazza, Mt. Vernon  
†Deborah McClung, Columbus  
Catherine Marie Miller, Miamiville  
†Mary Louise Moreno, Columbus  
Karen Bundy Moyer, Arcadia  
Jeanne Webb Musser, Lima  
Nancy Ann O'Brien, Columbus  
Cheryl Ann O'Leary, Cincinnati  
†Armida Lourdes Padilla, Columbus  
Clara Janine Pettit, Cutler  
Cheryl Lynn Ponsky,  
Mayfield Heights

Vicki Joy Ramey, Columbus  
Phyllis Kay Ramsay, Cincinnati  
Elaine Wilson Rasey, Miamisburg  
Sharon Whitney Reeder, Chardon  
Christine Roksandic, Parma  
†Judith Ann Rotter, Cleveland  
Linda Kay Rupp, Wauseon  
Darla Kay Schneider, Cleveland  
Janice Ann Seibert, Toledo  
Marlene Ella Shopneck, Toledo  
Nancy Helen Smith, Englewood  
Evalyn Maria Stimmel, Findlay  
Geraldine Louise Swanton, Springfield  
Lola Jean Thornton, Wellington  
Ellen Diane Wagman, Youngstown  
Kathleen Ann Waltz, Port Clinton  
Kathleen Crunelle Ward, Columbus  
Susan Lynne Warns, Walbridge  
Sally Anne Wheeler, Columbus  
Cynthia Elaine Winne, Xenia  
Susan Frances Zorn, New Carlisle

† Also Bachelor of Arts.  
College of the Arts and Sciences

## College of Education

Dean: Luvern L. Cunningham

### Bachelor of Science in Education

Seven hundred and eighty-three candidates

George Rhodes Abdalla, Jr., Newark  
 Larry Eugene Agler, Harrod  
 Sharon Rae Albert, Canton  
 Deborah Lynne Alexander, Columbus  
 Phillip Bruce Alkire,  
 Washington C. H.  
 Judith Lynn Allen, Bellaire  
 \*Richard Bailly Allen, Columbus  
 Laura Jane Alweis, Fort Lee, N. J.  
 Phyllis Shoberg Amato, Peoria, Ill.  
 Gail Harrison Apgear, Columbus  
 Jane Lynn Apple, Kettering  
 Jane Henry Applegate, Hillsboro  
 Adrienne Lee Arian, Cleveland  
 Karen Sue Armstrong, Columbus  
 Joanna Marie Arnholt, Loudonville  
 Bonnie Lou Arnold, Springfield  
 Rochelle Arnold, Cleveland Heights  
 Jo Ann Mary Aseff, Cleveland Heights  
 Vicki Lynn Aumiller, Hilliard  
 Kathy June Bahorek, Columbus  
 Larry Gene Bair, St. Paris  
 Juanita Mortimer Baker, Lima  
 Betsy Karolyn Baltuth, Cincinnati  
 Albert Barge, Seville  
 Marianne Barna, Shaker Heights  
 Bruce Charles Barnes, Columbus  
 Linda Sue Barnes, Columbus  
 Candace Joy Barr, Chicago, Ill.  
 Ann Elizabeth Barry, Columbus  
 Debra Dea Basinger, Pandora  
 Sandra Marie Bassett, Columbus  
 Danny Allen Edward Bates, Caldwell  
 Polly Urban Bates, Canton  
 Elizabeth Taylor Beach, Plain City  
 Shirley Ann Beachum, Columbus  
 David Allan Beck, Lakewood  
 Lonnie Lee Beckel, Cardington  
 Jeanne Graves Becker, Fostoria  
 Judith Ann Becker, Columbus  
 Candace Lawson Beery, Lima  
 Terri Sue Beilharz, Lima  
 Susan Elizabeth Bendler,  
 Reynoldsburg  
 Frances Sharyn Benis,  
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 Irene Kay Wagman, Youngstown  
 Ellen Elizabeth Waite,  
   Hingham, Mass.  
 Sandra Lynn Wakefield, Columbus  
 Bonnie Sue Wald,  
   Highland Park, Ill.  
 Paula Nachman Waldron, Gahanna  
 Marsha Lockhart Walker, Portsmouth  
 William Joseph Walker, Jr., Bryan  
 Donna Mae Walls, Springfield  
 Ruby Kay Walters, Lafayette  
 Mary Ellen Waltz, Norwich  
 Patricia Lynnette Wantz, Greenville  
 Veronica Ware, Rochester, N. Y.  
 Rebecca Reed Watson, Butler  
 William Joseph Weaver, Columbus  
 Martha Jane Wedge, East Canton  
 Judith Blake Weiher, Akron  
 Rebecca Fisher Weis, Columbus  
 Ellen Roberta Weiss, Marion  
 Amy Beth Weissberg,  
   Mt. Vernon, N. Y.  
 Claire Jean Wells, Columbus  
 John Francis Weskiel, Leipsic  
 Marcia Gayle West, Dayton  
 Pamela Drury West, Lima  
 Rita Kay West, Coshocton  
 Doris Jean Weston, Andover  
 Paula Parthena Weston, Findlay  
 Julie Kay Westwater, Lakewood  
 Barbara Bailey Whalen, Lima  
 Sally Ann Whetsel, Cincinnati  
 Adrienne Ruth White,  
   West Hartford, Conn.  
 Christine Mae Whitmer, Urbana  
 Theresa Beirne Wick, Columbus  
 Barbara Lynn Wieder,  
   University Heights  
 Dayna Williams Wilcoxson,  
   Reynoldsburg  
 Carolyn Sue Williams, Glenford  
 Robert Dewey Williams, Ottawa  
 Deborah Lee Wilson, Columbus  
 Mary Patricia Wilson, Arlington, Va.  
 Judy Kae Windom, Marion  
 Robert William Winkelman, Newark  
 Carol Lee Winner, Columbus  
 David Lee Wint, New Bremen  
 Cheryl Ann Winter, Cincinnati  
 Judith Lea Wise, Ft. Thomas, Ky.  
 Nancy Burch Wise, Columbus  
 Jacqueline Sue Wolf, Hamilton  
 Betsy Ann Wones, Mt. Gilead  
 Molly Kathleen Wootton, Columbus

\* Also Bachelor of Arts,  
 Colleges of the Arts and Sciences

Joann Sohngen Wuille, Columbus  
 Beth Joy Wyman, Lorain  
 Helen Yaksic, McKeesport, Pa.  
 Elaine Grigas Yerty, Euclid  
 Kay Lynn Young, Roseville  
 Ilene Ruth Zakowitz, Pittsburgh, Pa.  
 Ellen Sue Zelvy, Shaker Heights  
 Barbara Austin Zinsmaster, Dayton  
 Judy Gay Zoss, Youngstown

#### **Bachelor of Art Education**

Nineteen candidates

Anne Marie Abegglen, Worthington  
 Barbara Ann Bissell, Cincinnati  
 Vicki Sollenberger Dehus,  
 West Milton  
 Suzanne Virginia Eberle, Columbus  
 Linda Marie Eisenhart,  
 Sawyer AFB, Mich.  
 Mary Lyon Gale, Canal Winchester  
 Deborah Lee Greif,  
 Highland Park, N. J.  
 Patricia Anderson Krumm, Columbus  
 B.S.  
 Kathleen Ann Lowe, Crestline  
 Michelle Patricia Murphy, Sandusky  
 Glenn Pettway, Urbancrest  
 Frances Carol Reed, Chicago, Ill.  
 Ellen Sue Roberts, Cleveland  
 Rosalind Maxine Scherr, Ashland, Ky.  
 Jennie Lou Secrest, Cambridge  
 Thomas Wayne Thompson, Columbus  
 Dolores Weisheimer Toney,  
 Reynoldsburg  
 B.F.A.  
 Ellen Brooke Williams, Columbus  
 Trudy B. Zylberberg, Cleveland

#### **Bachelor of Music Education**

Twenty-six candidates

Shirley Hickman Andrews, Columbus  
 William Paul Bender, Reynoldsburg  
 Richard Allen Berry, Mansfield  
 \*Glee Alison Blosser, Baltimore  
 Barbara Anne Crockett, Findlay  
 Charlotte Anne Davis, Columbus  
 Joyce Schlessman Deering, Sandusky  
 Katharine Ann Fisher, Lima  
 David Eugene Frye, Akron  
 Susan Carol Gail, Northfield  
 Doyle Ed Gilliland, Waynesville  
 Barbara Hilscher Gray, North Canton  
 \*Kathleen Sue Harrod, Harrod  
 Stephen Graf Jones, Lancaster

Paul Warren Lee, Columbus  
 Judith Rogers Martin, Reynoldsburg  
 Virginia Pauline Rainey, Georgetown  
 Edward Paul Sandor, Jr., Mansfield  
 Dale Richard Schubert, Continental  
 Lewis Edward Shields, Jr., Chauncey  
 Judy May Smallwood, Pataskala  
 James Douglas Tongring, Toledo  
 Donald Nathaniel Valentine,  
 Columbus  
 Harriett Josephine Walker,  
 Youngstown  
 Michael Christian Weiher, Vandalia  
 Becky June White, Belmont

## **College of Engineering**

Dean: Harold A. Bolz

#### **Bachelor of Aeronautical and Astronautical Engineering**

Fifteen candidates

Richard Merlin Casper, Harrod  
 Stephen Manfrin Clark, Lorain  
 Edward Allen Davidson,  
 North Canton  
 Donald Edward Deyling, Medina  
 George Bernard Dowell, Sidney  
 John Wayne Glenn, Columbus  
 William Michael Hale, Columbus  
 Eric Lamarr Keck, Columbiana  
 Steven Robert Markman,  
 South Euclid  
 Allen Bruce Miller, Springfield  
 Douglas Lee Ransbottom, Springfield  
 Laurence David Reed,  
 Rochester, N. Y.  
 \*\*James Philip Rheinfrank, Columbus  
 Robert Joseph Shaw, Lisbon  
 Mark Eugene Wotell, Delran, N. J.

#### **Bachelor of Science in Aeronautical and Astronautical Engineering**

Five candidates

Blair Jeffrey Davis, Columbus  
 Frank Blackman Gray, Jr., Cincinnati  
 James Douglas Hickerson, Lafayette  
 Edwin Winfield Ruhl, Bellevue  
 Gary Lee Simmerly, Cleveland

#### **Bachelor of Science in Agricultural Engineering**

Two candidates

Robert Lynn Burris, Bolivar  
 Robert Eugene Heuer, Cincinnati

#### **Bachelor of Ceramic Engineering**

Four candidates

William Lee Baumbarger, Haskins  
 Franklin Wallace Keith, Dover  
 Robert Louis Murphy, Zanesville  
 Garrett Lee Scott, Creston

#### **Bachelor of Chemical Engineering**

Eleven candidates

Lewis Priestley Clark, Barberton  
 Paul Edmund Cooke,  
 Guy's Hill, Jamaica

\*Also Bachelor of Music,  
 Colleges of the Arts and Sciences  
 \*\* Also Master of Science, Graduate School



George Edward Cressman, Jr., Carey  
 Gary Warburton Good, Perrysburg  
 Terry Stephen Groh, New Boston  
 Gary Quentin Johnson,  
   St. Petersburg, Fla.  
 \*Jay Ansel Kaplan, Canton  
 Michael Lester Nevin, Sidney  
 John Dwight Rensel, Tallmadge  
 Richard Bruce Strait, Worthington  
 Frederick Anthony Teeters, Buckland

# **Civil Engineer**

one candidate

Nicolas G. Lymberidis, Athens, Greece

# **Bachelor of Civil Engineering**

Thirteen candidates

Lowell Alan Avery, Hilliard  
 Richard Lee Beharry, Chesterland  
 Ronald Arthur Bell, Columbus  
 Edward Earl Brady, Bucyrus  
 \*Doyle Raymond Clear, Jr.,  
   Waterville  
 \*David Michael Good,  
   Huntington, W. Va.  
 John Joseph Januska, Chagrin Falls  
 Alan Joseph Kundtz, Fairview Park  
 Stephen Edward Martin, Cincinnati  
 Dale Stewart McDonald,  
   Endwell, N. Y.  
 Paul Edward McNamee, Hillsboro  
 Michael Bond Murray, Logan  
 Elwood Forrest Wells, Utica

# **Bachelor of Science in Civil Engineering**

Ten candidates

Arthur Jon Andersen, Jr., Berea  
 Thomas Michael Brammell, Marion  
 Daniel Glen Bucher, Lima  
 Reuben Grossberg, Cleveland Heights  
 Thomas Jay Hendershot, Columbus  
 Bert Huffer, Union City  
 David Gene Nauman, Marion  
 Kenneth Theodore Paul, Cleveland  
 Steven Schneider, Long Beach, N. Y.  
 Joel Sloan, Cleveland Heights

# **Bachelor of Science in Computer and Information Science**

Eleven candidates

Howard Buckholtz,  
   University Heights

Robert Kern Duncan, Jr., Dayton  
 Robert Watson Dunmire, Jr.,  
   Coshocton  
 Don Steven Farber, Columbus  
 Peter Craig Hanson, Columbus  
 Thomas Arthur Jacobs, Lakewood  
 Lloyd Andrew McLean, Ashtabula  
 John Brian Miller, Columbus  
 Harold George Pryor, Cleveland  
 Michael George Suffae,  
   Kensington, Md.  
 Tynan Arthur Wait, Asheville, N. C.

# **Bachelor of Electrical Engineering**

Twenty-three candidates

Dwight Lee Amberg, Columbus  
 Robert Allan Anderson,  
   Spokane, Wash.  
 Richard Leroy Beery, Burbank  
 Stephen Douglas Bixler, Columbus  
 Gary Lee Claypoole, Worthington  
 George Edward Deichert, Fremont  
 John Frank Dodds, Novelty  
 Douglas Lowell Fichtner, Marion  
 Thomas William George,  
   Fairview Park  
 Harold Gaylord Hawkins, Napoleon  
 John Richard Hoffmann, Columbus  
 Roger Leonard Kane, Independence  
 Paul Richard McMullen, Bellefontaine  
 Howard Christian Meyer, Columbus  
 Michael Thomas Mills, Westerville  
 Hildegard Maria Minchenko,  
   Reynoldsburg  
 James Paul Overholt, Tallmadge  
 \*Ronald Gordon Rule, Columbus  
 William Bernard Rust, Genoa  
 Stephen Alan Ryan, Zanesville  
 Richard Thomas Simko, Painesville  
 Kosmas George Synadinos, Columbus  
 \*Marvin Kenneth Vander Kooi  
   Columbus,

# **Bachelor of Science in Electrical Engineering**

Ten candidates

Ademola Frank Adeyemi,  
   Lagos, Nigeria  
 Franklin Enrique Ball,  
   Cayetano Germosen, Dominican  
   Republic  
 Richard Alan Barnett, Massillon  
 Henry Alan Bobulski, Westerville

Jack C. Cordes, West Milton  
 Richard Paul Curtner, Berea  
 William Bryan Dahmke, Columbus  
 Allan Ronald Reiver, Drexel Hill, Pa.  
 Fernando Raineldo Reyes,  
   Santiago, Dominican Republic  
 David Joe Swartz, Columbus

# **Bachelor of Industrial Engineering**

Ten candidates

William Frederick Andrews,  
   Beach City  
 Thomas Arthur Bailey,  
   New Lexington  
 Jack Theron Baker, Xenia  
 John Benjamin Cosgray, Plain City  
 \*Donald Herbert Hauenstein, Jr.,  
   Massillon  
 Michael John Mundorf, Stow  
 John William Renick, Columbus  
 James Frederick Sinnhuber, Warren  
 Daniel Warren Umberger, Jr.,  
   Columbus  
 George Michael Zelein, Hebron

# **Bachelor of Science in Industrial Engineering**

Thirteen candidates

Jeffrey Bryon Belford, Cleveland  
 David Edward Foley, Cincinnati  
 Richard Lee Goodman, Canton  
 James Richard Henley, Dayton  
 James Elmer Hess, Lindsey  
 Arthur Benson Kehoe, Shelby  
 Ralph Harold Lusher, Jr., Gallipolis  
 Donald Benjamin Miller, Columbus  
 Jeffrey Vick Miller, Struthers  
 Richard Gilmour Nicholas,  
   Bay Village  
 Ernest Richard Parkin, Springfield  
 Herman Ivan Sorin, Hollywood, Fla.  
 Christopher Rex Zara, Columbus

# **Bachelor of Mechanical Engineering**

Twelve candidates

John Fredrick Bauckman, Ashland  
 Marvin Robert Hornoff, Wadsworth  
 James Philip Leppert, Euclid  
 Merle Floyd McBride, Ashland

\* Also Master of Science, Graduate School

Larry Gene McCarthy, Columbus  
 Richard Joseph Nisonger, Rossburg  
 Maston Bier Sansom, Chillicothe  
 \*Willard Norman Shade, Jr., Attica  
 Richard Arthur Springman, Marietta  
 Danny Holt Whitley, Columbus  
 Walter Lee Wolf, Cleveland  
 Jan Beryl Yates, Columbus

**Bachelor of Science in  
 Mechanical Engineering**

Twenty candidates

David Alan Barry, Chagrin Falls  
 John Barta, Jr., Bedford  
 E. Philip Bucher, Chagrin Falls  
 Deane Francis Cobler, Columbus  
 Wouter Willem Dieperink, Tipp City  
 John Joseph Egan, Columbus  
 David Leigh Harden, Cleveland  
 Steven Edward Havelka,  
 North Olmsted  
 Thomas Eugene Hay, Dublin  
 Thomas Paul Hess, Newark  
 David Eugene Johnson, Canton  
 Louis James Kiraly, Parma Heights  
 Francis Rhodes Lancaster, Jr.,  
 Kent  
 Nick Martin Lopriore, Warren  
 Robert Eugene Loy, Bucyrus  
 Craig Lee Patterson, Columbus  
 David Alan Shaffer, Mansfield  
 Michael David Stoltz, Dayton  
 Robert John Vrabel, Parma  
 Melvin Carroll Zeigler, Mt. Gilead

**Bachelor of Metallurgical Engineering**

Four candidates

David Charles Cartwright,  
 East Palestine  
 Richard Lee Helferich, Parma  
 Dennis Lee McGarry, Lewisville  
 Shelby Warren Scott, Fairborn

**Bachelor of Science in Physics**

Four candidates

Thomas Patrick Daly, Doylestown  
 \*Robert Keith Jones, Benton Ridge  
 Robert Bruce Miller, St. Paris  
 Neil Eric Rich, Akron

**Bachelor of Welding Engineering**

Eight candidates

Randall Lee Davis, Belpre  
 Gregory Nicholas Geaman, Warren  
 Richard Morris Glass, Strongsville  
 Nicholas Reser Havill, New Carlisle  
 Terence Michael Miller, Columbus  
 Robert Louis Szabo, Parma  
 James Harrison Thomas, Columbus  
 B.S. in Edu.  
 Raymond Daniel Wolfangel, Jr.,  
 Cincinnati

**Bachelor of Landscape Architecture**

one candidate

Alan Steven Ruby, Cleveland

**Bachelor of Science in  
 Landscape Architecture**

one candidate

Daniel Robert Jones,  
 Johnson City, N. Y.

**School of Architecture**

**Bachelor of Architecture**

Sixteen candidates

Michael Lee Ball, Spencerville  
 John Paul Blakie, Columbus  
 Lucky Block, Columbus  
 Kenneth Adam Bratka, Worthington  
 Bruce Douglas Casterline, Columbus  
 John William Emrick, Columbus  
 Lewis Jay Goetz, East Paterson, N.J.  
 George Frederick Henschel, Jr.,  
 Mt. Kisco, N. Y.  
 B.A. (Parsons College)  
 Erich Ernst Heppner, Columbus  
 Brian Darryl Horne, Gahanna  
 Raymond Jack Liberatore, Niles  
 John William Miller, Columbus  
 Raymond Daniel Nalewajek, Buffalo,  
 N. Y.  
 Larry Anthony Paul, Parma  
 Franklin Eugene Shepherd, Jr.,  
 Columbus  
 Ronald George Weaver, Edgerton

**Bachelor of Science in Architecture**

Eight candidates

James Charles Backes, Endicott, N. Y.  
 John Gilbert Dumas, North Canton  
 John Nicholas Gruitza, Hubbard  
 Michael Barnard Hobbs, Columbus  
 Charles Guerrette Kick, III,  
 Montebello, Calif.  
 David Mager, Columbus  
 Howard Norman Weissman,  
 Passaic, N. J.  
 David Armstrong White, Columbus

\* Also Master of Science, Graduate School

College of Law

Dean: Ivan C. Rutledge

Juris Doctor

Seventy-eight candidates

Lawrence Darrell Adelman, Canton  
B.A. (University of Pittsburgh)

Karen Holcomb Adkins, Hilliard  
B.S. in Edu.

Maryann Baker, Parma  
B.A.

Gregory Gary Baran, Cleveland  
A.B. (Wittenberg University)

Robert Samuel Bauders, New Carlisle  
A.B. (Princeton University)

Freda Florence Bein, Jamaica, N. Y.  
A.B. (Hunter College)

John Carleton Berryhill, Barnesville  
B.S. in Edu.

John Edward Brady, Scott  
B.S. in Bus. Adm.

C. Simeral Bunch, Columbus  
B.A. (Williams College); M.B.A.  
(University of Virginia)

Joseph Lee Cain, Patriot  
B.S. in Bus. Adm.

Benjamin Thomas Chinni, Galion  
B.S. in Bus. Adm.

James Bruce Collier, Jr., Ironton  
A.B. (Ohio University)

Samuel Ronald Cook, Jr., Marietta  
B.A.

Robert Samuel Coon, Reno, Nev.  
B.A. (University of Nevada)

Joseph John Cox, Columbus  
B.A.

Carole Cronin, Lansing, Mich.  
B.S. in Educ. (Michigan State  
University)

Frederick W. Crow, III, Syracuse  
B.B.A. (Ohio University)

Joseph Couture D'Arrigo, Beverly,  
Mass.  
B.A. (Fordham University)

Thomas Finley Dewey, Jr., Clyde  
A.B. (Oberlin College)

J. Douglas Donenfeld, Dayton  
B.A. (Northwestern University)

Miles Cutler Durfey, Springfield  
B.I.E.

Lance Erle Eisenberg, Columbus  
A.B. (University of Pennsylvania)

Lawrence S. Falter, Huron  
B.S. in Edu.

Charles Frederick Freiburger, Troy  
B.S. in Bus. (Miami University)

Timothy Dean Gerrity, Cleveland  
B.A. (Miami University)

Gary Paul Gormin, St. Paul, Minn.  
B.A. (University of Minnesota)

Curtis Griffith, Jr., Whitehall  
B.A.

Bruce Myron Gunn, Riverton, N. J.  
B.A.

John Glen Haas, Woodville  
B.A. (Miami University)

Benjamin Wilkes Hale, Jr.,  
Chesapeake  
B.B.A. (Marshall University)

Robert Clayton Hargrave, Adena  
B.A. (Muskingum College)

Steven Benton Hayes, Columbus  
B.A.

Henry Neil Heuerman, Swanton  
B.A.

Enid Hinkes, Newark, N. J.  
A.B. (Barnard College)

William Walter Johnston,  
Worthington  
B.A.

Robert Kevin Jones, Willard  
B.B.A. (University of Notre Dame)

William Henry Jones, Columbus  
B.S. in Bus. Adm.

Keith Howard Jung, Indianapolis Ind.  
A.B. (Indiana University)

Cheryl Hachman Keith, Norwood  
B.A.

Daniel Joseph Kerscher, Columbus  
B.S. in Bus. Adm.

William Paul Kinsey, Columbus  
B.S. in Bus. Adm.

James Denny Kitchen, Adelphi  
B.B.A. (Ohio University)

G. Jeffrey Knepper, Mentor  
B.S. in Bus. Adm.

Robert Alan Koblentz, Columbus  
B.A.

James Kura, Columbus  
B.S.

Charles Kaye Ledsky,  
Cleveland Heights  
B.A.

Robert George Martinell, Forest Park  
B.S. in Bus. (California State  
Polytechnic College)

Jeffrey Lee McClelland, Columbus  
B.A. (Miami University)

John Charles McClure, Troy  
B.A. (Miami University)

Ian McDougall, Cleveland  
B.B.A. (Cleveland State University)

Mark Kingsley Merkle, Jr., Granville  
B.A. (Villanova University)

James Arthur Moore, Delaware  
B.A.

John Allen Moyer, Findlay  
B.A.

John Paul Palumbo, Maple Heights  
B.S. in Edu.

Paul Vincent Pavlic, Columbus  
B.A.

Roger Thorpe Peckinpaugh, Cleveland  
B.A. (Ohio Wesleyan University)

Robin Eric Phelan, Columbus  
B.S. in Bus. Adm.

John Stephen Pickrel, Dayton  
B.A. (University of Dayton)

Peter Anthony Precario, Cleveland  
B.A.

Robert Leslie Ransome, Denver, Colo.  
B.A. (University of Colorado)

James August Roadey, Kettering  
B.A. (Depauw University)

Stephen Earl Renneckar, Norwalk  
B.S. in Bus. (Miami University)

Robert Allan Retske, Dayton  
B.A.

Kenneth Marvin Royalty, Cincinnati  
B.A.

David Allen Sapphire, Shaker Heights  
B.A.

Alan Michael Schwarzwaldner,  
Columbus  
B.A.

Albert Mark Segreti, Jr., Canfield  
A.B. (Wittenberg University)

John Fredrick Shampton, Dayton  
B.A. (University of Dayton)

Alan Wayne Sheppard, Columbus  
B.S. in Edu.

Robert Eugene Signom, Dayton  
B.S. in Bus. (Miami University)

## College of Medicine

Dean: Richard L. Meiling

Ronald Leslie Solove, Columbus  
B.S. in Bus. Adm.

Brian Gregory Thomas, Berea  
B.A. (Oberlin College)

Joseph Ewing VanBuskirk,  
Chambersburg, Pa.  
B.A.

Terry Johnson Walrath, Ashtabula  
B.A. (Kent State University)

Charles Collins Warner, Gambier  
B.A. (Yale University)

Charles Boyd Weed, Cincinnati  
B.A.

Donald Leson Wiley, Celina  
B.A.

Klaus Michael Ziermaier, Columbus  
B.S. in Bus. Adm.

### Doctor of Medicine

One hundred and forty-two candidates

David Munro Abbot, Columbus  
A.B. (Ohio University)

William Norman Adkins, Jr., Troy  
A.B. (Earlham College)

Douglas Robert Angerman, Navarre  
B.S.

Charles Thomas Armstrong, Jr.,  
Springfield  
B.A. (Muskingum College)

Harold Nicholas Augenstein,  
Hamilton  
B.S. (Purdue University)

Nicholas Martin Baldassano,  
Staten Island, N. Y.  
B.S. (Wagner College)

Robert Stephen Bar,  
Englishtown, N. J.  
B.S. (Tufts University)

Wayne Allen Bare, Nevada  
B.A.

William Dale Barker, Sidney  
B.A.

Michael Joseph Basile, Youngstown  
A.B. (Case Western Reserve  
University); M.S. (University of  
Illinois)

David Paul Baumgardner,  
Grand Forks, N. D.  
Ph.B. (University of North Dakota)

William Dixon Bazler, Columbus  
B.A.

Thomas Francis Bear, Dover  
B.S.

Lawrence Dwight Becker, Lima  
B.S. (Case Western Reserve  
University)

Neal Sheldon Birnbaum,  
East Liverpool  
B.A.

Kenneth William Blissenbach,  
Youngstown  
A.B. (Youngstown State University)

John David Blocher, Columbus  
B.A. (Ohio Wesleyan University)

Lowell Harrison Body, II, Columbus  
B.S.

Donald Clarence Boger, Lima  
B.S.

Charles Alton Brown, Mt. Gilead  
B.S. in Pharm. (Ohio Northern  
University)

Reid Clarence Brubaker,  
West Alexandria  
A.B. (Miami University)

James Martin Byers, Greenfield  
A.B. (Dartmouth College)

Sue Shu-Kwan Chan, Fairborn  
A.B. (Antioch College)

Irene Marlow Chino, New Lebanon  
B.S. (University of Dayton)

Richard Henry Clary, Columbus  
B.A.

Terence Alan Cochran, Richwood  
B.S.

Dennis Allen Cohen, Columbus  
B.A.

Gregory Bruce Collins, Akron  
B.A.

Donald Robert Cooney, Zanesville  
B.S.

Michael John Cooney, Youngstown  
B.S.

Robert Winston Cooper, Chillicothe  
B.S.

Barry Reed Cover, Port Clinton  
B.A. (Northwestern University)

William Lawrence Crawford, Warren  
A.B. (Georgetown University)

David Edward Crouch, Dayton  
B.S.

James Lyle Derickson, Columbus  
B.S. in Agr.

Jon Alan Dula,  
Wright-Patterson Air Force Base  
B.A. (Southern Methodist University)

Ralph Otto Dunker, Jr., Euclid  
A.B. (Cornell University)

Michael Alan Ellison, Dayton  
B.A.

John Frederick Engstrom,  
Chagrin Falls  
B.A. (College of Wooster)

Richard Lee Faler, Jackson Center  
B.S. (Bowling Green State  
University)

William E. Feeman, Jr., Columbus  
B.S.

Robert Arthur Feldman,  
Shaker Heights  
B.S.

- Roy Anthony Filly, Lyndhurst  
A.B. (Ohio University)
- Frederick David Fingerhut, Toledo  
A.B. (Miami University)
- Frederick Leroy Finke, Columbus  
B.A.
- Alan Murray Fisher,  
New Philadelphia  
B.S.
- Charles Roy Ford, Berkey  
B.A. (Eastern Michigan University)
- James C. Funderburg, Tiffin  
B.S. (Massachusetts Institute of  
Technology)
- Lowell Stephen Gaspar,  
Fairview Park  
B.A. (Kenyon College)
- Randolph Owen George, Dayton  
B.A.
- William Uklen Gibson,  
Hyattsville, Md.  
B.S. (University of Cincinnati)
- Robert Joseph Gillesby, Fairborn  
B.S.
- Eric Kent Glanzer, Kent  
B.A. (Kent State University)
- Peter Grotuss, Springfield  
B.S.
- Frank William Gruber, Columbus  
B.S.
- Jack Sidney Gruber, Caledonia  
B.S. (Otterbein College)
- John Robert Haaga, Troy  
B.A.
- James B. Hall, Urbana  
B.A.
- John Mark Hatheway, Massillon  
B.S. in Agl.Biochem.
- Cherryl Bibler Hofstetter, Columbus  
B.S.
- Kenneth Ray Hofstetter, Dalton  
B.A. (Goshen College)
- Neal Evan Holleran, Cuyahoga Falls  
B.A. (Kent State University)
- Robert David Huestis, Steubenville  
B.S. (Denison University)
- Thomas Michael Hughes, Jr.,  
Columbus  
B.S. (University of Notre Dame)
- James Edgar Huprich, Baltic  
B.A.
- Karen Sue Israel, Damascus  
B.S. (Mount Union College); M.S.
- Thomas Emrys James, Jr., Vienna  
B.S., M.S.
- John Howard Jensen,  
Moorhead, Minn.  
B.A., B.S. (Moorhead State College)
- Robert Edmund Johnstone,  
Cincinnati  
A.B. (Cornell University)
- Sandra Lee Kachkowski, Cleveland  
B.S. (Baldwin-Wallace College)
- Gary Michael Kammer,  
Cuyahoga Falls  
B.S. (University of Akron)
- Walter Hyman Kaye, Cleveland  
A.B. (Oberlin College)
- Rita Ann Keefer, Grove City  
B.S.
- Charles David King, West Liberty  
B.S. (Manchester College)
- George Franklin Kish, Perrysburg  
B.S.
- Raymond William Knight,  
Maple Heights  
B.S. (Marquette University)
- Kim Knowles, Hartville  
B.S. (Ohio University)
- \*Carol Roth Kollarits, Uhrichsville
- Jerrald Whitney Kuenn, Kettering  
B.S. (Purdue University)
- Marvin Eugene Leedy, Lima  
B.S.
- Ward Houston Leedy, South Point  
B.S.
- William Julius Lenz, Jr., Toledo  
B.S.
- Lawrence Albert Lisska, Dublin  
B.S.
- Gary Allen Littlepage, Worthington  
B.S.
- Owen Williamson Logee, Wooster  
B.S.
- Janet Lois Lohrbach, Fremont  
B.S. (Capital University)
- Frank Clark Lyons, Jr.,  
East Liverpool  
B.S.
- Thomas Sprague Main, Athens  
B.S. (Ohio University)
- Harold Linn Mast, Wooster  
B.S. (University of Wisconsin)
- John Robert McCarroll, Zanesville  
B.S.
- Richard Young McConnell,  
Bellefontaine  
B.S.
- James Arthur Mechenbier, Dayton  
B.A. (Dartmouth College)
- John Frank Mentzer, Barberton  
B.A.
- Thomas William Michaelis, Toledo  
B.S. (University of Michigan)
- Louis John Morelli, Youngstown  
A.B. (Youngstown State University)
- Mark Johnston Morton, Toledo  
B.S. (Northwestern University)
- James Wilbur Ness, Dayton  
B.S.
- Gary Lee Newland,  
Grand Forks, N. D.  
B.S. (University of North Dakota)
- Bertram Jeffrey Newmark,  
Youngstown  
B.A. (University of Southern  
California)
- Richard Cletus Palmer, Cincinnati  
B.S. (University of Michigan)
- Gordon Jean Peltier, Delphos  
A.B. (Miami University)
- Leslie Evan Reese, Youngstown  
B.A. (Yale University)
- Henry John Reineck, Fremont  
B.S. (John Carroll University)
- Richard Charles Richley, Cincinnati  
B.S.
- John Joseph Rinehart, McComb  
B.A.
- James Richard Robertson, Jr.,  
Findlay  
A.B. (Miami University)
- Chester Kelley Robinson, Dayton  
B.A. (Fisk University)
- Ann Lehman Rogers, Columbus  
B.A. (Denison University)
- John Bernat Roth, Cleveland  
B.A. (Northwestern University)
- Ronald Alan Ruhl, Covington  
B.S.

\* Also Bachelor of Arts, Colleges of the Arts  
and Sciences

David Henry Saunders,  
Shaker Heights  
A.B. (Washington University)

Franklin Max Scheel, Grove City  
B.S.

Helmut Schreiber, Cleveland  
B.A. (Kent State University)

David Edward Schuller, Cleveland  
A.B. (Rutgers College)

Daniel Comyns Scullin, Jr.,  
Cuyahoga Falls  
A.B. (Indiana University)

Mark Thomas Shapiro, Warren  
A.B. (Indiana University)

Allen Jay Sherrow, Cleveland  
B.A.

Barry Frederick Shesol, South Euclid  
B.A. (University of Pennsylvania)

Richard Hunter Shoop, Fairborn  
B.A. (Denison University)

Larry Allen Simon, Toledo  
B.S. (University of Toledo)

George Dean Slater, Columbus  
B.S.

David Eugene Smith, Chillicothe  
B.S.

Stephen Punttenney Smith, Columbus  
A.B. (Colby College)

William Sherman Smith, Springfield  
B.S.

Donald Allen Spencer, Tiffin  
B.S.

Jon E. Starr, Edon  
B.S., M.S. (University of Toledo)

David Brian Stires, Canton  
B.A.

Melvin Stone, Cleveland Heights  
B.S.

Humbert Giroude Sullivan,  
Charlotte, N. C.  
B.S. (Wake Forest University)

\*James Arthur Thomas, Cincinnati  
B.S.

Stephen Richard Uhlin, Poland  
B.S.

Donald Victor Unverferth, Dayton  
B.S.

Michael Anthony Walus, Jr.,  
Cuyahoga Falls  
B.A.

Rebecca Sue Wappner, Mansfield  
B.S. (Ohio University)

Michael Henry Wilder, Cincinnati  
B.S. (Ohio University)

Charles Edward Williams, Eaton  
B.S.

Oliver Kenneth Williams, III, Berea  
B.S. (Maryville College)

John William Wolf, Piqua  
B.S.

Fred Watson Worley, Westerville  
B.S. (Otterbein College)

Robert Paul Yamokoski,  
Cuyahoga Falls  
A.B. (Case Western Reserve  
University)

Howard Yonas, Shaker Heights  
B.S. (University of Pittsburgh)

Robert Graham Zimmerman,  
Englewood  
A.B. (Miami University)

## School of Allied Medical Professions

### Bachelor of Science in Medical Dietetics

Thirteen candidates

Karen Ann Casselberry, Cleveland  
Thomas Lee Craver, Barnesboro, Pa.  
Charlene May Doane, Leavittsburg  
Robert Allen Gilbert, Huntsville, Ala.

B.S. (Florence State College)

Steven Richard Lamar,  
Newport Beach, Calif.

Linda Ann Mann, Park Ridge, Ill.  
Annette Louise Merleno, Seven Hills

Michael Alan Nolan, Auburn, Neb.

Patricia Ann Peden, Bedford

Sue Ann Serafy, Wellsville

Ellen Kathleen Shaffer, Akron

Maria Lorraine Walker, Reynoldsburg

Sharon Lee Zeigler, Mansfield

### Bachelor of Science in Medical Illustration

one candidate

Laura Dean Leventhal, Cleveland

### Bachelor of Science in Medical Technology

Eight candidates

Karen Irene Boley, Lake Charles, La.  
Diana Laquaglia Dierkes,  
Powhatan Point

Debora Smith Dietz, Lima

Mary Schick Fichter, Columbus

Karen Ann Hines, Springfield

Linda Marie McCarty, Columbus

Beverly Marie Modzelewski, Cleveland

Sandra Rae Tuber, Youngstown

### Bachelor of Science in Occupational Therapy

one candidate

Julia Mae Clemento, Elyria

### Bachelor of Science in Physical Therapy

Thirty-nine candidates

Kathleen Covey Arnesen, Lakewood  
Michele Zurweste Barton,  
Waynesville

Gary Eugene Blosser, Baltimore

Susan Jane Bowerman, Cleveland

William Dixon Caswell, Oregon

Judith Louise Cox, Youngstown

Linda Lee Crawford, Columbus

Sylvia Kathleen DiSabato, Columbus

Jacqueline Dale Drozdowicz, Toledo

Micky Lyn Galleher, Akron

Rosalie Jane Garner, Columbus

Fred William Hershberger, Wilmet

Lucy Lois Howard, Cincinnati

Cathy Jane Johnston, McDonald

Carol Lynn Kaminski, Toledo

Sharon Betty Karius, Maple Heights

Donna Binnig Keeney, Painesville

Geraldine Ann Kerr, Troy

Sheryll Lee Kupinski, East Rochester

Nancy Linklater, Solon

Cheryl Louise Lownik, Lakewood

Donna Sue McCowen, Wheelersburg

Gail Lynne McNaughton, Columbus

Carole Krieg McNeil, Cincinnati

Barbara Ann Michael, Springfield

Rebecca Fauser Naylor, Cleveland

Judy Eileen Parrot,

Ft. Leavenworth, Kan.

Carole Lloydine Price, Dayton

\* Also Master of Science, Graduate School

## College of Optometry

Dean: Frederick W. Hebbard

### Doctor of Optometry

Forty-seven candidates

Thomas Lloyd Altland, Massillon

Eric Warren Baer, Celina  
B.S.

Jeffrey Barton Blanchard,  
Rochester, N. Y.  
B.S.

Donald Lloyd Brown, Vandalia

Stephen Nichols CaJacob, Lima  
B.S.

David Charles Canfield, Uhrichsville  
B.S. in Opt.

John Michael Cook, Ebsensburg, Pa.

Donald Babcock Covert, Portsmouth  
B.S.

Shirley Rohl Daniel, Mentor  
B.S.

Terry Edward Daniel, Zanesville  
B.A. (Muskingum College) ; B.S.

John Jay DeGroot,  
Grand Rapids, Mich.

Gary Lee Dodd, Akron

James Robert Eakin, Franklin, Pa.

Robert Donald Ellis, Houlton, Me.

James Edgar Evans, Wellston  
A.B. (Ohio University)

Bryan Davis Garretson, Euclid

Robert Joseph Gerberry, Youngstown  
B.S.

Leonard Joel Goldstein,  
Poughkeepsie, N. Y.  
B.S.

John Norman Gunning, Jr.,  
Chillicothe

Thomas Roger Hammond, Monroe  
B.S.

Frederick Thomas Heller, Kettering

Clayton Nathaniel Hicks, Columbus  
B.S.

Andrew Francis Iorio,  
Saratoga Springs, N. Y.

Phillip Arnold Kades,  
Cleveland Heights

Edward Doran Kasper, Flint, Mich.  
A.B. (University of Michigan)

Howard Lee Kruman, Shaker Heights  
B.S. (University of Toledo)

Lewis Asbury Ransdell, Frankfort  
Jean Marie Riedel, Parma  
Martha Ann Routh, Huron  
Thomas Carl Schmidt, Sandusky  
Barbara Lea Shaw, Cincinnati  
Elizabeth Ewing Shirley, Cincinnati  
Karen Ann Siemsen, Fremont  
Susan Kay Thompson, Lebanon  
Elizabeth Tilton, Frazeysburg  
Colleen Kelly Whittington, Greenville  
Linda Borngraber Wolfe,  
Sheffield Lake

### Certificate of Nurse Anesthetist

Two candidates

Judy Sharp Cowan, Cairo, W. Va.  
Susan Louise Tinker, Cuyahoga Falls

### School of Nursing

#### Bachelor of Science in Nursing

Sixty-nine candidates

Cynthia Leigh Axline, Glenford  
Patricia MacDonald Baum,  
Columbus

Joan Myhre Baumgardner, Delphos  
Claudia Susan Beadle, Dayton  
Sandra Alynne Biales, Maitland, Fla.  
Bonita Eileen Brookie, Frankfort  
Sharon Louise Burkholder, Dalton  
Cyndra Cermak Bystrom, Painesville  
JoAnne Dittiacur Crabb, Woodfield  
Karen Esterly Dunker, Reynoldsburg  
Carolyn Rumsey Finney,  
Olmsted Falls

Karen Lynn Foltz, Westerville  
Sara Fulmer Ford, Alliance  
Lois Elaine Gradisek, Lorain  
Susan Blaho Hall, Parma  
Patricia Ann Hansen, Massillon  
Barbara Jo Hartrum, Cambridge  
Elizabeth Diane Hastings,  
Millersburg

Marguerite Louise Hawkins,  
Columbus  
Judith Ann Hawley, Bay Village  
Saundra Trotter Hendershot, Cadiz  
Sally Jane Grooms Heston,  
West Union

Linda Pawloski Hite, Marietta  
Nancy Martz Hothem, Franklin  
Linda Annette Huber, Eastlake  
Rebecca Shurance Hunyady, Medina  
Janet Gibbons Jerge, Rocky River

Christina Joy, Cadiz  
Jerradine Morgan Kennicott, Bellevue  
Gloria Oliver Kline, Massillon  
Mary Beatrice Knapp, Bridgeport  
Karen Malmin Knicely, Akron  
Linda Lou Krocka, Shelby  
Ruth Ellen Leflar, Oxford  
Linda Kay Lewis, Grove City  
Kathleen Marie Lord, Bowling Green  
Beth Anne Lucht, Kent  
Elaine Francita Lynch, Columbus  
Candace Elaine Magyar, Canfield  
Eileen Margaret Maleski, Seven Hills  
Marsha Sandra Mauning, Parma  
Judith Ann Matusoff, Trotwood  
Mary Ann Meredith,  
New Philadelphia

Sydney Mauray Miller, Columbus  
Kathleen Marie Moore, Lakewood  
Pamela Kay Morse, Shelby  
Nancy Ann Muir, Lorain  
Katherine Ann Nelson, North Canton  
Jane Ellen Neubauer,  
Moundsville, W. Va.  
Cathie Ann Oliver, Salem  
Nancy E. Kleinhampl Pankuch,  
Ravenna

Sheila Weil Resnick, Columbus  
Paula Jean Ressler, Rocky River  
Joanne Richardson, Harrod  
Kathleen Anne Rohrs, Bowling Green  
Sara Jean Schwartz, Lebanon  
Margina Kimbel Shockley, Akron  
Theresa Jeanne Snavely, Columbus  
Kathryn Louise Stafford, Columbus  
Diana Christine Staker, Cincinnati  
Jane Ann Steinman, Kenton  
Nancy Stewart, Lorain  
Mary Ann Sutton, Tipp City  
Elizabeth Dietrich Vajen, Napoleon  
Miriam Lorraine Watters, Marion  
Kathleen Ann Wells, Coshocton  
Pamela Anne Wigginton, Oberlin  
Patricia Marie Yarosh, Wellington  
Ann Tweed Zollinger, Piqua

## College of Pharmacy

Dean: Lloyd M. Parks

Ross Graven Leedy, Shreve  
B.S. in Pharm. (Ohio Northern  
University); B.S.

David Barry Levine, Columbus

John Douglas Levy, Dayton  
B.S. (Ohio University)

Richard Jeffery Mathews, Bellville  
B.S., B.A.

Dana Lee McQuinn, Heath  
B.A. (Taylor University)

Joel Michael Michaels,  
Cuyahoga Falls

Robert Brent Miller, Troy  
B.S.

Ronald Harry Miller, Cincinnati  
B.S. (University of Cincinnati)

Arthur Robert Newman,  
Mayfield Heights  
B.A. (Washington University)

Gary Bruce Pearch, Sherrodsville  
B.S. (Mount Union College)

Paul Vincent Puffenberger, Tiffin

William Urquhart Reeves, Kent

Dennis, O. Roark, Greenfield  
B.S.

Fred James Salim, Flint, Mich.  
A.B. (University of Michigan)

Gail Michele Semon, Belleville, Ill.  
B.S.

Vernon Frederick Siber, Jr.,  
Columbus,  
B.A. (MacMurray College); B.S.

Robert Noble Sieffert, Pittsburgh, Pa.  
B.S.

James Edwin Smith, Mansfield  
B.S.

Gerald Roland Spenko, Euclid  
B.S.

Dennis Gordon Uthe, Berea

Dale Ward Van Dyke,  
Grandville, Mich.

### Bachelor of Science in Pharmacy

Fifty-five candidates

Pamela Allen, Chillicothe

David Lawrence Amato, North Canton

John Henry Artino, Bellevue

Ilze Balks Augenbergs, Tiffin

Thomas Eugene Baker, Brookville

Donald Leroy Bennett, Barberton

Kathleen Ann Bernard, Youngstown

Robert Allen Bernstein,  
Irvington, N. J.

Richard Eugene Birnie, Worthington

Gerald Alan Burch, Akron

Robert James Burger, Dayton

Dennis Lee Carey, Grove City

Donald Harry Chmielewski, Toledo

Richard Lawrence Colson, Conneaut

John Carter Cook, Geneva

Gary Grant Custer, Scio

Roger Charles Edgington, Grove City

Gregory Royce Garner, Columbus

Thomas Clifton Hall, Akron

Michael James Hawley, Wellington

Mary Tashdjian Henne, Columbus  
B.A., M.S. (American University of  
Beirut); Ph.D.

Susan Marie Hetrick, Canton

Elaine Margaret Jones, Dayton

Richard Allen Jones, Youngstown

James Raymond Knight, Salem

Gardner Seaman Lemon, Barberton

Carl Hugo Lufter, Avon Lake

Phillip Eugene Lutz, Canton

Maureen Mae Malaney,  
Duxbury, Mass.

Ellsworth Ralph McKnight, Granville  
B.S.

Linda Suzanne Meyers,  
Allison Park, Pa.

Ronald Wayne Miller, Jefferson

John Patsy Montenery, Tiltonsville

Craig Boley Nielsen, Dayton

Karen Figy Parsons, Wauseon

Charles Thomas Patton, Strasburg

Michael James Rieser, Columbus

Gary Mark Ringer, Bryan

Andrew William Roberts, Piqua  
A.B. (Miami University)

Amelia Louise Sabino, Columbus

Miles Cecil Schuman, Dayton

Carl Edwin Sharp, Carey  
B.S.

Steven Howard Sidell, Chicago, Ill.

Kenneth Anthony Skau, Colonia, N. J.

James Herbert Stewart, Mt. Pleasant

Paul Noah Tanenbaum, Columbus

Dennis Paul Thompson, Columbus

Nicholas Clair Trausch, Bryan

Gregory Scott Umstead, Sidney

William Harry Van Horn, Dayton

Malcolm Albert Weiss, Dublin

Elverett James Earl Williams,  
Cleveland

David Cranston Wood, Bellaire

Stephen Kay Young, Loudonville

Craig Allan Zeigler, Wilmington



## College of Veterinary Medicine

Dean: Clarence R. Cole

### Doctor of Veterinary Medicine

Seventy-seven candidates

Thomas Michael Adams, Wickliffe

Harold Eldon Albert, Jr.,  
Williamsport  
B.S. in Agr.

Craig Walter Angerman, Massillon

David Alexander Baiduc, Warren  
B.S.

Kenneth J. Baker, North Olmsted

David Allen Barley, St. Marys, W. Va.  
B.S. (College of William and Mary);  
M.S. (West Virginia University)

Gary David Baumann, Blanchester  
B.A. (Wilmington College)

Ronald Henry Bockbrader,  
Pemberville

Kurt Bretz, Cleveland  
B.S. (Baldwin-Wallace College)

Paul Thomas Brisker, Wheelersburg  
B.S. in Agr.

Ralph Edward Broshes, Elida

Robert Sidney Brown, Jr.,  
Rocky River

Charles Frederic Bryner, Tiffin  
B.S. (Heidelberg College)

Michael L. Cable, Cincinnati

Robert Edward Cape, Franklin  
B.S., M.A. (Bowling Green State  
University)

Gray Hugh Cardy, Akron

Shirley Hilda Clevenson,  
Watertown, Mass.  
B.S. in Agr.

Ronald Kelly Conklin, Hilliard

James Douglas Courtley, Youngstown  
B.A. (Washington and Jefferson  
College)

Michael Henry Covitt, Louisville, Ky.  
B.S. (University of Kentucky)

Peter Edward Cyrog, Skokie, Ill.

Patrick Hamlin Dwyer, Toledo  
B.S. (University of Toledo)

Robert Brooks Esplin, Toledo

Kent Edmond Farkas, Strongsville

Gregory Logan Faulkner, Mentor

Daniel Dee Frey, Cincinnati  
B.S. in Agr.

Robin Hrebek Fritz, Chagrin Falls

James Joseph Gostlin, Akron

Ronald Harry Grothaus, Toledo  
B.S. (Heidelberg College);  
M.S. (University of Toledo)

James Ellis Guenther, Cincinnati

Mary Carol Hawes, Akron

Charles David Henry, Sabina

Thomas Michael Henson, Mansfield  
B.S. in Agr.

John Clark Hersman, Jr.,  
Weston, W. Va.  
B.S. (West Virginia University)

James Clark Hughes, Cincinnati  
B.S. (University of Cincinnati)

Thomas Lewis Isaac,  
Charleston, W. Va.

Paul Edward Karr, Portsmouth

Adelbert George Kempf, Jr., Avon

Edward Joseph Kennedy, Miamiville

Lonnie James King, Wooster  
B.S.

Philip Cobe Kosch, Columbus

Norman Henry Lazor, Lakewood

Dean Earnest LeBeau, Canton  
B.S. in Agr.

Bruce John Lehky, Columbus  
B.S.

Martha Mary Lepes, Chagrin Falls

David Howard Love, Vermilion

Lawrence Taylor Maddren,  
Allentown, N. Y.

John Allen Mallow, Franklin, W. Va.  
B.S. in Agr. (West Virginia  
University)

Herbert Mark McCollum, Cincinnati

Larry Douglas McKenzie, Dayton  
B.S. in Agr.

Michael Lawrence Menegay, Alliance

Randal Lee Phelan, Newark

Donald Peters Quillen, Ashville  
B.S. in Agr.

Norman Louis Raflo, Cincinnati

Samuel J. Rice, Hamilton  
B.S.

James Paul Ringer, Canton

Marvin George Rizor, LaRue  
B.S. in Agr.

William Austin Rogers, Hillsboro

Donald Robert Rowles, Akron

Lawrence Wayne Sather, Westlake

John Stephen Scheiderer, Akron

Gary Landis Seesholtz, Columbus

Richard Zolman Segall, Youngstown  
B.S.

Jerry Paul Shank, Ashland

Thomas Kieran Shehan, South Euclid  
B.S. (Ohio University)

David Allen Shinaberry, Canton

David Edwin Somerville, Richmond

Raymond Darrell Stamper, Cincinnati  
B.A. (University of Kentucky)

John Edward Stoughton,  
Milford, Mich.  
A.B. (Antioch College)

Hal Herbert Taylor, Jr., Columbus  
B.A. (Hiram College)

Robert Millard Stevenson Temple,  
Chagrin Falls  
B.S. (Ashland College)

Leonard Martin Tinney, Waynesville

Donald Scott Traphagen, Powell  
B.S. in Agr.

Harry Leroy Tripp, Jr., Canton

Donald Wesley Williams, Wilmington  
B.S. Agr. (Purdue University)

Jerry Wayne Wolf, Xenia

John Thurman Yarrington,  
Worthington

## Graduates with Honors

### Summa Cum Laude

Christine Marya Aubert, Aurora, Ind.  
Leland Wright Bard, Piqua  
Freda Florence Bein, Jamaica, N. Y.  
Jeanette Elaine Bialczak, Columbus  
Patricia Matthews Boling, Columbus  
Reid Clarence Brubaker,  
West Alexandria  
William Graham Byrne, Columbus  
Allen Leonard Byrum, Orient  
Nelly Maude Case,  
Washington Court House  
Brian Oliver Clark, Sandusky  
Doyle Raymond Clear, Jr., Waterville  
Samuel Ronald Cook, Jr., Marietta  
Thomas William Cordrick, Cleveland  
Thomas Patrick Daly, Doylestown  
Joseph William DeHaven, Kettering  
George Edward Deichert, Fremont  
Betty Mattix Dietsch, Marion  
Karen Cain Farahay, Worthington  
Robert Allen Farr, Canfield  
Roy Anthony Filly, Lynchurst  
Carolyn Sue Fitzsimons,  
New Waterford  
Karen Louise Gingrich, Columbus  
Sarah Anne Greenlee, Columbus  
Judith Elaine Hill, Shaker Heights  
James Richard Ingrassia, Amherst  
Larry Gene Jennings, Bluffton  
Edward Joseph Joyce, Mansfield  
Gary Michael Kammer,  
Cuyahoga Falls  
Mary Ann Kelch, St. Marys  
Daniel Joseph Kerscher, Columbus  
David Lynn Klein, Coshocton  
David Lee Koster, Barberton  
Cheryl Fulcomer Kriska, Canfield  
Mary Frances LaValley, Columbus  
Anne Catherine Lehmenkuler,  
Springfield  
Johanna Bernadette Leonowicz,  
Trenton, N. J.  
Philip Shane Levoff, Columbus  
Barbara Gayle Lewis,  
Cleveland Heights  
William John Lightfoot,  
Shaker Heights  
James Raymond Liles, Lafayette  
Jill Ann Linkinhoker, Springfield  
Deborah McClung, Columbus  
James Robert McGreevy, Lexington  
Robert George Martinell, Forest Park  
Robert Brent Miller, Troy  
Mark Johnston Morton, Toledo  
David Alan Munn, Grafton  
LaVerne Scherger Nash, Newark  
Jerry Edward Nathan, Columbus  
Kathleen Rae Pankratz, Lorain  
Angela Ann Phillips, Columbus  
Linda Wood Prout, Lima  
Thomas Joseph Quinlan,  
Milleville, N. J.  
Alicia Diane Robinson, Columbus  
William Austin Rogers, Hillsboro

David Michael Rosenberg, Beachwood  
Deborah Ann Rosenberg, Wilmington  
Enid Baum Rosenberg, Beachwood  
Kenneth Marvin Royalty, Cincinnati  
Thomas Howard Rutherford,  
Columbus  
Willard Norman Shade, Jr., Attica  
Edward Franklin Schlegel, III,  
Coshocton  
Robert Joseph Shaw, Lisbon  
Judy Wagner Shepherd, Mansfield  
Ronald Leslie Solove, Columbus  
Cynthia Sue Sullivan, Delaware  
John Dennis Wallrabenstein, Milan  
James Michael Ward, Jr., Columbus  
Charles Boyd Weed, Cincinnati  
Jan Beryl Yates, Columbus  
Klaus Michael Ziermaier, Columbus

### Cum Laude

Karen Holcomb Adkins, Hilliard  
Deborah Lynne Alexander, Columbus  
Judith Lynn Allen, Bellaire  
Harry Lowell Amsbary, Gallipolis  
Robert Louis Andras, Springfield  
Jane Henry Applegate, Hillsboro  
Susan Lynn Archer, Steubenville  
Mary Joan Arnett, Westerville  
Sara Margaret Azallion, Dillonvale  
David Allen Baab, Wooster  
Maryann Baker, Parma  
Cynthia Carol Bailey,  
Franklin Furnace  
Frank Michael Baldauf, Delphos  
Gregory Gary Baran, Cleveland  
Craig Douglas Barclay, Newark  
Robert Samuel Bauders, New Carlisle  
Robert Warren Baxter, Jr.,  
North Canton  
Janet Winifred Bay, Kilbourne  
Elizabeth Taylor Beach, Plain City  
Brian Michael Becher, Columbus  
Thomas Albert Beiter, Lancaster  
Edgar Louis Berre, Jr., Cincinnati  
Timothy Lee Best, Lima  
Neal Sheldon Birnbaum, Liverpool  
James Patrick Birong, Fairview  
David Alonzo Blakley, Lebanon  
David Gregory Bohyer, Lima  
John Edward Brady, Scott  
William Lee Brockman, Westerville  
Shirley Nettie Brownell,  
Monrovia, Liberia  
James Martin Byers, Greenfield  
Jeanne Marie Cannistra, McDonald  
Susan Kathleen Caffrey,  
North Syracuse, N. Y.  
Harold Charles Cain, Williamsport  
Stephen Roger Channon, Columbus  
Benjamin Thomas Chinni, Galion  
Charlene Iris Cohen, South Euclid

Francine Carol Cohen,  
University Heights  
Ralph William Colla, Youngstown  
Harmon James Conrad, Sterling  
Anne Marie Coon, Columbus  
Donald Robert Cooney, Zanesville  
Jane Ann Copeland, Wapakoneta  
Carol Kuhn Cotter, Columbus  
Joseph John Cox, Columbus  
Thomas David Croft,  
Evanston, Ill.  
Carol Jean Cross, Cambridge  
J. Douglas Donenfeld, Dayton  
Thomas Darwyn Edwards, Oak Hill  
Jonell Anne Duda, Newark  
Marjory Irene Ehrlich,  
North Miami Beach, Fla.  
Lance Erle Eisenberg, Columbus  
Margaret Jane Emerson,  
Natrona Heights, Pa.  
Judith Carol Engelman, Columbus  
Jeanne Marie Erickson, Columbus  
Karen Lynne Fitzwater, Kettering  
Kay Bahner Fox, Prospect  
Charles Frederick Freiburger, Troy  
Helen Bissell Garverick, Lexington  
Hollace Day Gibbs, Rocky River  
William Uklen Gibson,  
Hyattsville, Md.  
Robert Allen Gilbert, Huntsville, Ala.  
Alben Joseph Gillum, New Albany  
Eric Kent Glanzer, Kent  
Maureen Ann Glatteman, Trotwood  
Steven Eugene Glass,  
Washington C. H.  
John Michael Goller, Ney  
Marilyn Ann Gorman, Cincinnati  
Lynn Ellen Griffith, Columbus  
William Tod Gruenbaum, Marysville  
Myra Jean Gurevitz, Columbus  
Steven Ifor Gutman, Dayton  
John Robert Haaga, Troy  
John Glen Haas, Woodville  
Benjamin Wilkes Hale, Jr.,  
Chesapeake  
Linda Degener Hall,  
Egbertsville, N. Y.  
Margery Ellen Halpern,  
Worcester, Mass.  
Sharon Louise Harbolt, Marion  
James Michael Hamilton, Columbus  
Kathleen Sue Harrod, Harrod  
Robert Dane Heitzman, Wellston  
David Shannon Hess, Mansfield  
Marcia Elliot Hilt, Springfield  
Elise Joan Hoffman, Mansfield  
Thomas Glenn Holloway, Euclid  
Bruce Edward Howard, St. Paris  
Marcia Keefe Humbert, Columbus  
Carol Elaine Ingalls, Reynoldsburg  
Keith Howard Jung, Indianapolis, Ind.  
Maija-Liisa Nousiainen Karki,  
Columbus  
Patrick Kelly, Columbus  
Charles David King, West Liberty  
Louis James Kiraly, Parma Heights

Carol Roth Kollarits, Uhrichsville  
 June Ellen Komar, Bedford  
 Philip Cobe Kosch, Columbus  
 Theodore Kent Krisher, Worthington  
 Michael Joseph Kuhlman, Findlay  
 Frances Ellen Lappe, Columbus  
 Charles Kaye Ledsky,  
 Cleveland Heights  
 Ruth Ellen Leflar, Oxford  
 Ernest William Leggett, Jr., Columbus  
 Erick Matthew Lintala, Wooster  
 Catherine Sautter Long, Columbus  
 Kenneth James Lowry, II,  
 Huntington, W. Va.  
 Thomas Sprague Main, Athens  
 Susan Krock Mandel,  
 University Heights  
 Linda Ann Mann, Park Ridge, Ill.  
 Philip Marder, Maywood, N. J.  
 David Cargill Marshall, Columbus  
 June Waitas Marshall, Cincinnati  
 Judith Warden Mayer, Newark  
 Ralph Martinek, Cleveland  
 Steven Jerry McCoy,  
 Washington C. H.  
 Dale Lynn McGirr, Alliance  
 Sheryl Louise McKee, Mt. Vernon  
 Lois Ann Mefferd, Lima  
 Stephanie Katharina Messinger,  
 Brook Park  
 John Fred Meyer, Columbus  
 Robert Bruce Miller, St. Paris  
 William Walter Miller, Canton  
 Gregory Scott Mills, Cincinnati  
 Linda Jennifer Muhleman, Bellbrook  
 Gary David Myers, Ashtabula  
 Ronald Ellis Nassar, Toledo  
 Harvey Allen Nesser, Bellefontaine  
 Sandra Lindemood Nichols, Columbus  
 Ellen Randy Notkin, Livingston, N. J.  
 Robert Terrence Olbrysh, Toronto  
 Thomas George Oyer, Wapakoneta  
 Harold DeWolf Paddock, III, Aurora  
 John Paul Palumbo, Maple Heights  
 Karen Figy Parsons, Wauseon  
 David Myron Parry, Hillsboro  
 Robin Eric Phelan, Columbus  
 Michele Elaine Popp, Columbus  
 Virginia Pauline Rainey, Georgetown  
 Mark Halsey Randles, Worthington  
 Lewis Asbury Ransdell, Frankfort  
 James August Readey, Kettering  
 Susan Elaine Reineke, St. Marys  
 Robert Allan Retske, Dayton  
 Michael David Roadruck, Coshocton  
 Samuel Allan Rodner, Cincinnati  
 Mark Windle Roosa, Piketon  
 Richard Dave Rosen, Miami, Fla.  
 Leona Jean Rosenfield,  
 Champaign, Ill.  
 John Bernat Roth, Cleveland  
 David Edward Schuller, Cleveland  
 Daniel Comyns Scullin, Jr.,  
 Cuyahoga Falls  
 Albert Mark Segreti, Canfield

Ellen Kathleen Shaffer, Akron  
 John Fredrick Shampton, Dayton  
 Donna Ruth Sheets, Columbus  
 Kim Charles Shepherd, Shelby  
 William Alfred Sherertz, Lynchburg  
 Patti Lynne Shurtz, Columbus  
 Radojka Skocic, Parma  
 Carol Lyn Spangenberg,  
 Brighton, Mass.  
 Robert Charles Sprague, Columbus  
 Donna Jean Sprinkle, Hillsboro  
 Sharon Ann Stonecipher, Chardon  
 Mary Ann Sutton, Tipp City  
 Wesley Howard Sylvia, Columbus  
 Robert Bray Taylor, Middletown  
 Leonard Martin Tinney, Waynesville  
 Martha Ann Tonjes, Sherwood  
 Kathleen Maria Toth, Columbus  
 Lee David Tucker, Rochester, N. Y.  
 Daniel Warren Umberger, Jr.,  
 Columbus  
 Gregory Scott Umstead, Sidney  
 Donald Victor Unverferth, Dayton  
 Thomas Robert Vajen, Napoleon  
 Marvin Kenneth Vander Kooi,  
 Columbus  
 Mary Frances Vartorella,  
 Berlin Heights  
 Stephen Harry Verhoff,  
 Columbus Grove  
 Melinda Lou Vogel, St. Marys  
 Gynan Arthur Wait, Asheville, N. C.  
 Jutta Lerch Wait, Parma  
 Cheryl Joan Waldeck, Columbus  
 Paula Nachman Waldron, Gahanna  
 Charles Collins Warner, Gambier  
 Barbara Jean Weaver, Dayton  
 Michael Christian Weiher, Vandalia  
 Carol Whiteside Weisenberger,  
 Columbus  
 Ronald Joseph Weisenberger,  
 Columbus  
 Donald Leson Wiley, Celina  
 Bruce David Winchester, Oregon  
 Barbara Bailey Whalen, Lima  
 Christine Mae Whitmer, Urbana  
 Theresa Beirne Wick, Columbus  
 Becky June White, Belmont  
 Janice Lee Yake, Columbus  
 Stanley Kay Yarnell, Wooster  
 Hsushi Yeh, Columbus  
 Steven Kay Young, Loudonville

**Summa Cum Laude and with  
 Distinction in Agricultural Education**

Thomas Michael Archer, Sidney

**Summa Cum Laude and with  
 Distinction in Horticulture**

Joseph Dale Vodraska, Seven Hills

**Summa Cum Laude and with  
 Distinction in Mathematics**

Georgia McClure Benkart,  
 Youngstown  
 David Yuan-Yee Yun, Columbus

**Cum Laude and with  
 Distinction in Agricultural Economics**

Larry Melvin Wendt, Napoleon

**Cum Laude and with  
 Distinction in Animal Science**

David Howard Adamkin,  
 North Massapequa, N. Y.

**Cum Laude and with  
 Distinction in Economics**

Donald Kennicott, Lexington, Tenn.

**Cum Laude and with  
 Distinction in English**

Peggy Louise Bennington, Cadiz  
 Terry Scott Nagel, Cincinnati

**Cum Laude and with  
 Distinction in French**

Larysa Ann Mykita, Lorain  
 Michael Earl Wonacott, Columbus

**Cum Laude and with  
 Distinction in German**

Stephen Edward Fortkamp, Columbus

**Cum Laude and with  
 Distinction in History**

Gerard Israel Adelman,  
 Brooklyn, N. Y.  
 Gary Allen Feess, Columbus  
 Linda Lou Meyers, Deltona, Fla.  
 Phillip Stephen Oberrecht, Hamilton

**Cum Laude and with  
 Distinction in Home Economics**

Jennifer Lynn Sedgwick, Columbus

**Cum Laude and with  
 Distinction in Journalism**

Marian Dickinson Deaton, Columbus

**Cum Laude and with  
 Distinction in Mathematics**

Douglas Wayne Townsend,  
 Fort Mitchell, Ky.

**Cum Laude and with  
 Distinction in Natural Resources**

David Paul Whittingham, Westerville

## Alumni Awards for Distinguished Teaching 1969-1970

### **Cum Laude and with Distinction in Political Science**

Dana G. Rinehart, Columbus  
Stephen J. Rosenbaum, Skokie, Ill.  
Frank Allen Titus, Pomeroy

### **Cum Laude and with Distinction in Psychology**

Glenn Stewart Davidson, Lima  
Paul Huston Dillahunt, II, Columbus

### **Cum Laude and with Distinction in Social Science**

Dan David Sandman, Cincinnati

### **Cum Laude and with Distinction in Spanish**

Pamela Jean Sharpe, Tiffin

### **With Distinction in Agricultural Economics**

Norman Eugene Murray, Old Fort

### **With Distinction in Agronomy**

Paul Leroy Jacquemin, Hamilton

### **With Distinction in Animal Science**

William Elmer Kunkle, Alvordton

### **With Distinction in Anthropology**

Jeri Lyn Studebaker, Springfield

### **With Distinction in Botany**

John Alan Linthicum, Columbus

### **With Distinction in Economics**

Michael Peter Arthur,  
South Bend, Ind.

### **With Distinction in English**

William Robert Donaldson, Columbus

### **With Distinction in Entomology**

Ioannis Michael, Limassol, Cyprus

### **With Distinction in French**

Joseph Bartholomew Borgo, Columbus

### **With Distinction in German**

Robert Lee Popham, Mansfield

### **With Distinction in History**

Charles Harry Schoborg, Cincinnati

### **With Distinction in Home Economics**

Rebecca Jane Bales, Eaton  
Evelyn Luise Rowoldt, Canton

### **With Distinction in Natural Resources**

Nancy Josephine Scholl, Franklin

### **With Distinction in Political Science**

Christopher John Miller, Cincinnati

*Through the Alumni Association and the Ohio State Development Fund, annual awards have been provided to recognize and give evidence of the importance placed on superior teaching in the University and to provide encouragement and incentive for teaching achievement.*

The 1969-1970 Alumni Awards for Distinguished Teaching, including cash awards of \$1,000 each, were presented to the following recipients at a ceremony on May 27, 1970:

E. Milton Boone, Electrical Engineering  
Simon Dinitz, Sociology  
W. Thomas Lippincott, Chemistry  
William A. Lyell, E. Asian Languages and Literatures  
Joseph J. Quaranta, Education  
Frieda I. Shirk, Nursing  
William J. Tyznik, Animal Science  
Milton Wyman, Veterinary Medicine

All faculty members engaged in teaching and on full-time appointment, with the rank of instructor through full professor, are eligible for consideration. Previous recipients of the award are not eligible, but any person who has been previously nominated may be nominated again. The awards are based primarily on teaching achievement, although scholarly activity and productivity as reflected in the quality of the teaching and its impact on students are taken into account.

Nominations are made by students, faculty, and alumni. A committee of undergraduate and graduate students evaluate all nominations and submit the names of twenty to thirty nominees to the Committee on Awards for Distinguished Teaching. The members of this Committee select the recipients.

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND AND FIFTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 19, 1970

Pursuant to Article I, Section 2, of the By-Laws of the Board of Trustees of The Ohio State University, the Board met upon the call of the Chairman, John G. Ketterer, in a special meeting on Friday, June 19, 1970, at 10:00 a.m.

Present: John G. Ketterer, Chairman, James W. Shocknessy, John H. Dunlap, Jack G. Gibbs and Frederick R. Eckley.

June 19, 1970 meeting, Board of Trustees

Mr. Ketterer made the following statement:

At the regular meeting of the Board last week there was an issue presented to the Board that involved the employment of Charles Ross as the Director of the Black Studies Program, a Program which I might add has been in the making for some time and had been authorized by the Board of Trustees several months ago. With only six members of the Board present at that meeting, the vote in respect to the employment of Mr. Ross was three members in favor to three members against, resulting in a defeat of this recommendation. The afternoon following the meeting, the Faculty Advisory Committee asked to meet with a representative of the Board, and since I happened to be on Campus, staying over to attend graduation on Friday, I agreed to honor the Committee's request. At that time the point was made that on a matter of such importance the academic community, the students of the University, the faculty and the interested people in this State had a right to know how all of the members of the Board stood on this matter. After some reflection, I decided that a special meeting should be called. Members of the Board were polled in an effort to select a date which would have as many members available as possible. And so this meeting was called, notices were sent out, and we are assembled today to deal with this one issue and that is the issue of the employment of Mr. Ross as Director of the Black Studies Program.

- o -

I. PERSONNEL CHANGE

President Fawcett recommended that the following Appointment be approved:

A. Appointment

Charles O. Ross, Chairman, Black Studies division, effective July 1, 1970, at a salary of \$24,528.00 for twelve months. He will also hold the title Associate Professor in the School of Social Work at No Salary.

Upon motion of Mr. Dunlap, seconded by Mr. Shocknessy, the foregoing Appointment was approved by unanimous roll call vote.

Mr. Shocknessy made the following statement after the approval of the appointment of Mr. Ross:

Mr. Chairman, I would like to make a statement. By the vote here this morning, eight of the nine members of our Board have given public expression concerning the employment of Mr. Ross. The three members who voted against this employment last week are not here today. I do not know why they are not here; accordingly, I cannot pass judgment on their absence. But two of the members who were not here last week are here today. And this vote today by five members of this Board is not merely a vote of a majority of a quorum, but the five members who have just voted constitute a majority of the Board. Only one member of our



June 19, 1970 meeting, Board of Trustees

Mr. Shocknessy's statement (continued)

Board has not publicly passed judgment on this employment and publicly been counted, that's Mr. Hilliker. Every other Board member, either last week or today, has publicly expressed his judgment and has publicly been counted. Thus, I believe that what we are doing is precisely what the Chairman envisioned, we are bringing to the attention of the whole Board a problem of the whole Board. I conclude merely by saying that I want the record of this meeting to emphasize that eight members of our Board, either at the meeting last week or today, have indicated their judgment; and five of the members of our Board, constituting a majority of the membership of the Board, have voted for the employment of Mr. Ross.

\*

\*

\*

Thereupon the meeting adjourned.

Attest:

---

Edward Q. Moulton  
Secretary

---

John G. Ketterer  
Chairman

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